



## SR 710 North Study

SR 710 North Study  
LOS ANGELES COUNTY, CALIFORNIA  
07-LA-710 (SR 710)  
E.A. 187900  
EFIS 0700000191

# Draft Environmental Impact Report/ Environmental Impact Statement and Draft Section 4(f) De Minimis Findings

## Volume II

Prepared by:  
State of California Department of Transportation  
and the  
Los Angeles County Metropolitan Transportation Authority



The environmental review, consultation, and any other action required in accordance with applicable federal laws for this project is being, or has been, carried out by Caltrans under its assumption of responsibility pursuant to 23 USC 327.

March 2015

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**LEGEND**

- █ At Grade Segment
  - █ Cut and Cover Tunnel Segment
  - █ Bored Tunnel Segment
  - █ City/Community/Neighborhood Boundary
  - █ Parcels Where Acquisitions/Easements Would be Required
- 0 150 300 FEET  
SOURCE: Bing Maps (5/2010); EPIC (12/2013)

- █ Full Acquisition
- █ Partial Acquisition
- █ Permanent Easement
- █ Temporary Construction Easement

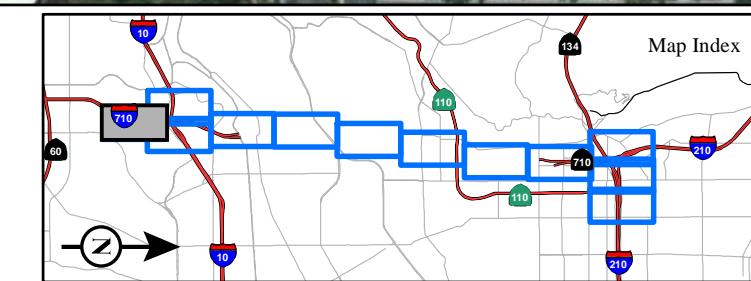
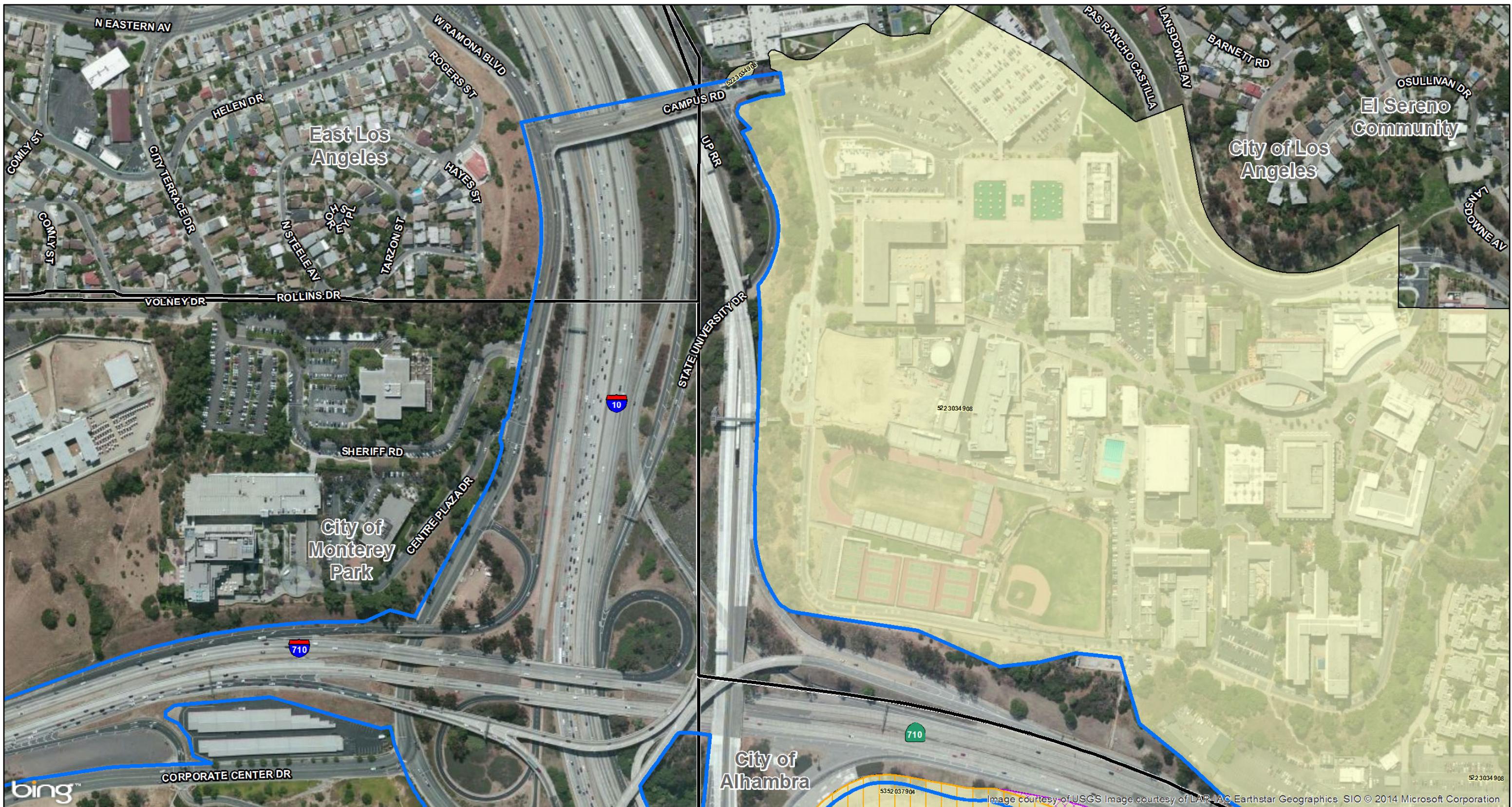


FIGURE 3.3-12  
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**SR 710 North Study**  
**Freeway Tunnel Alternative - Single Bore Design Variation**  
**Parcel Acquisitions**  
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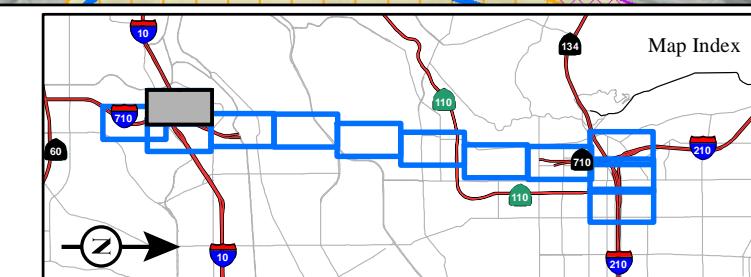


FIGURE 3.3-12  
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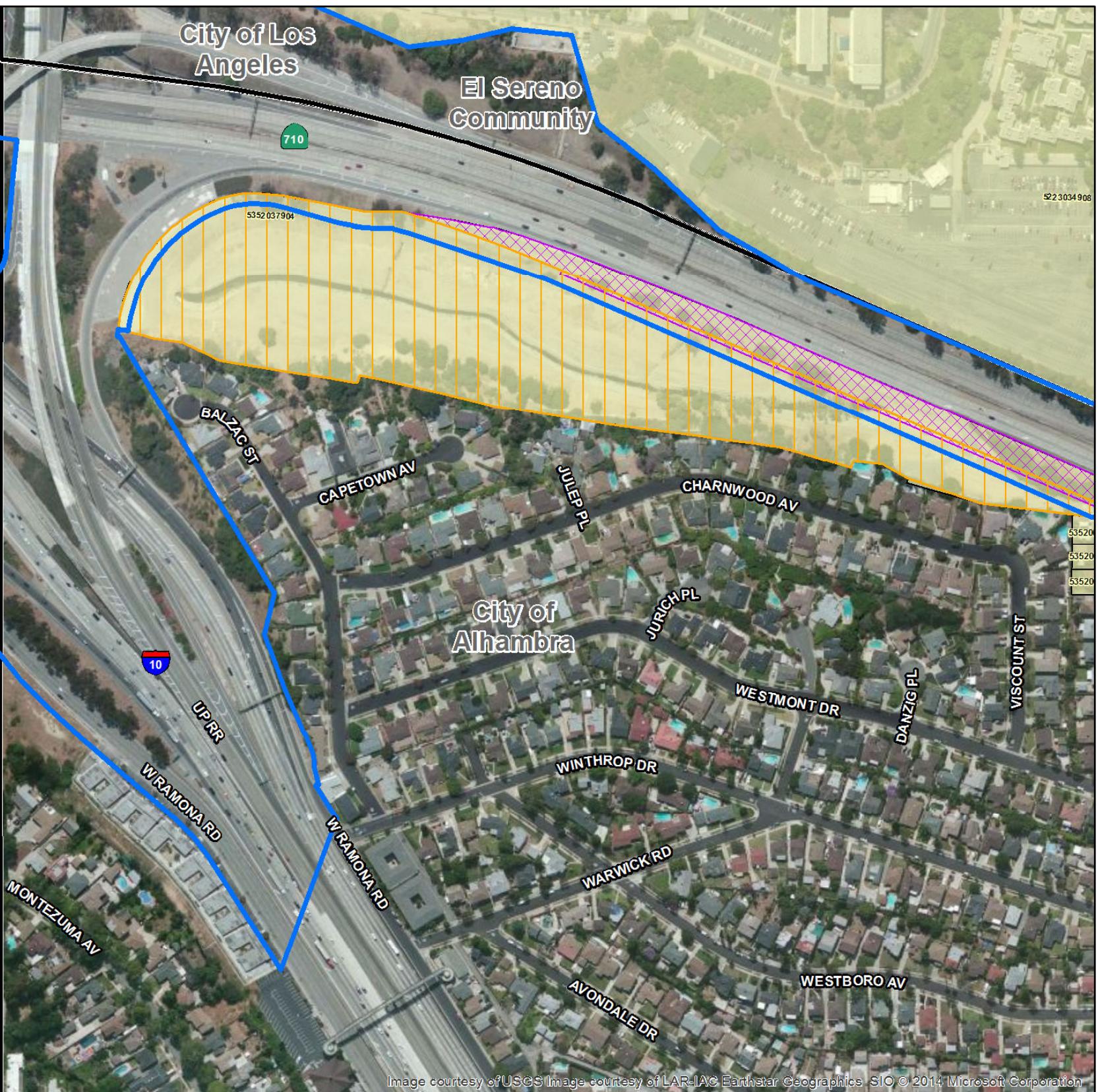
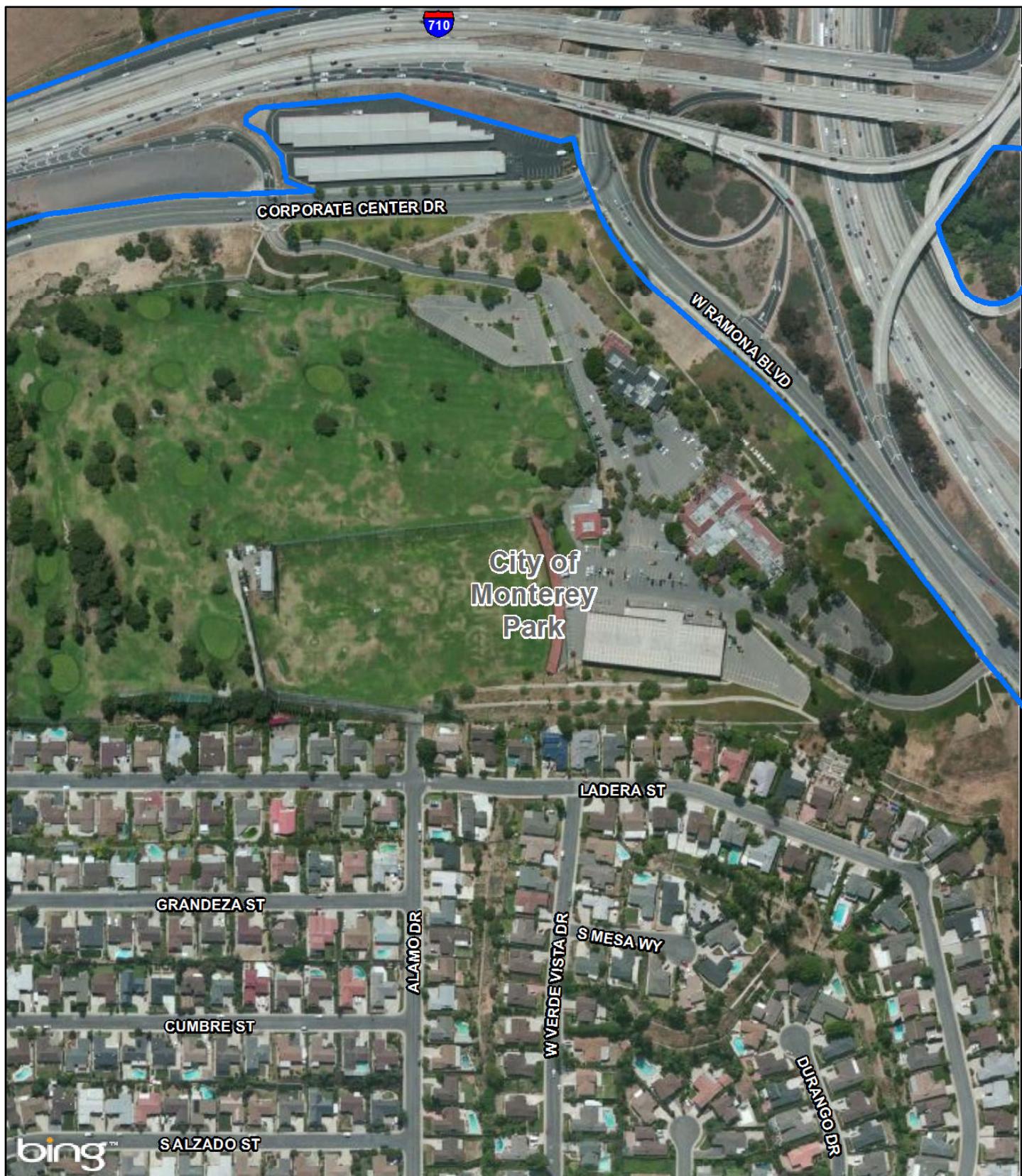


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0 150 300  
FEET

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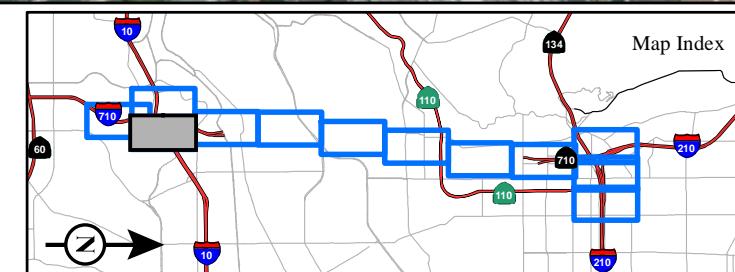
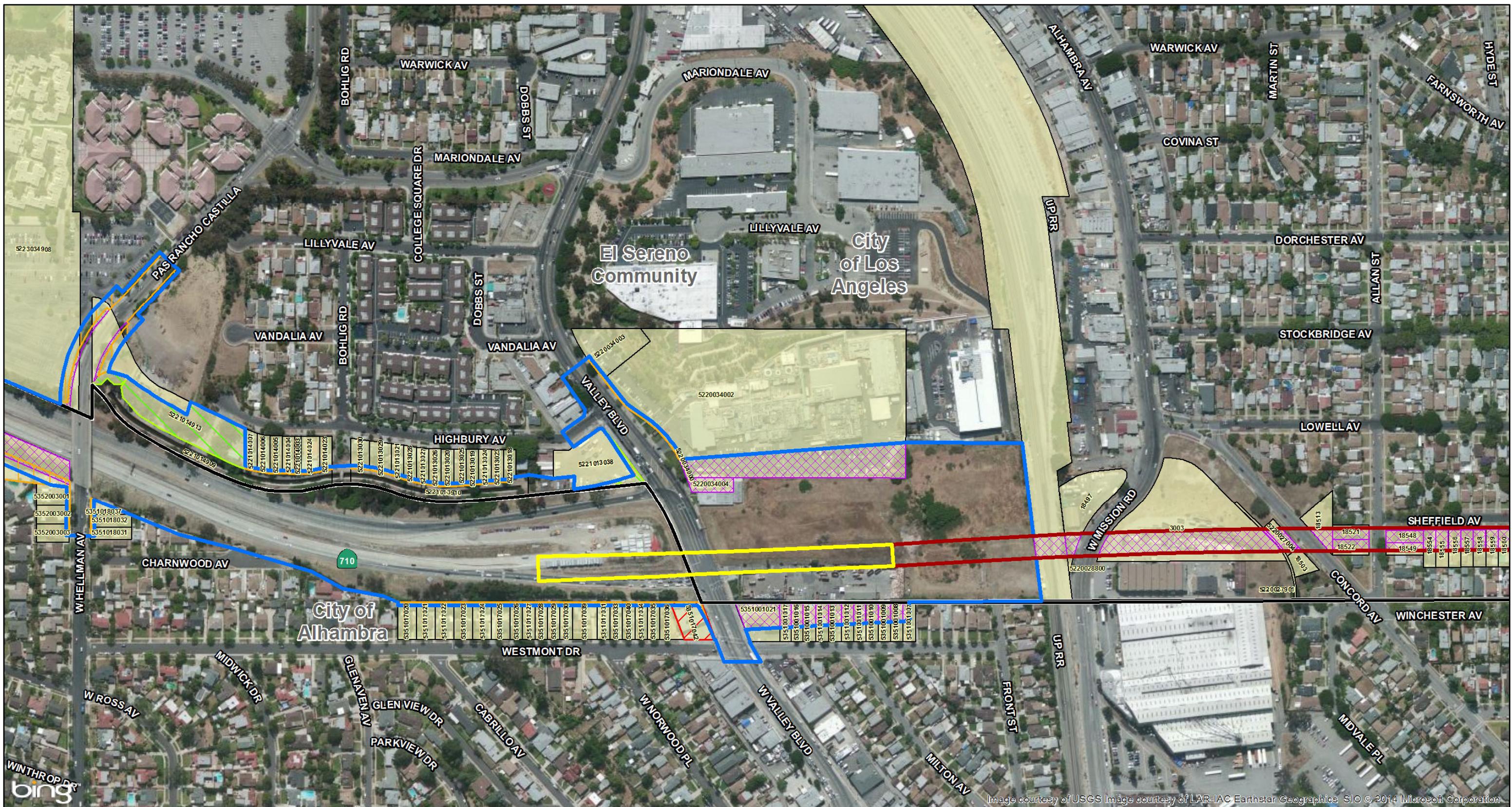


FIGURE 3.3-12  
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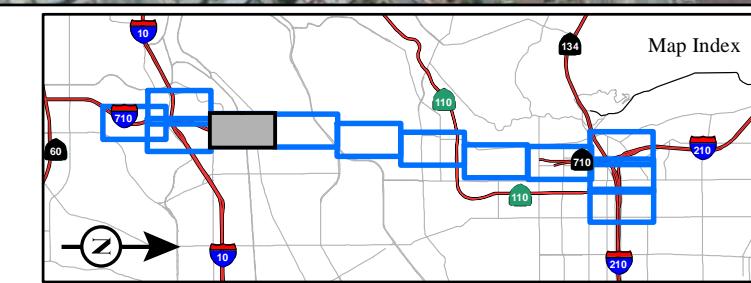


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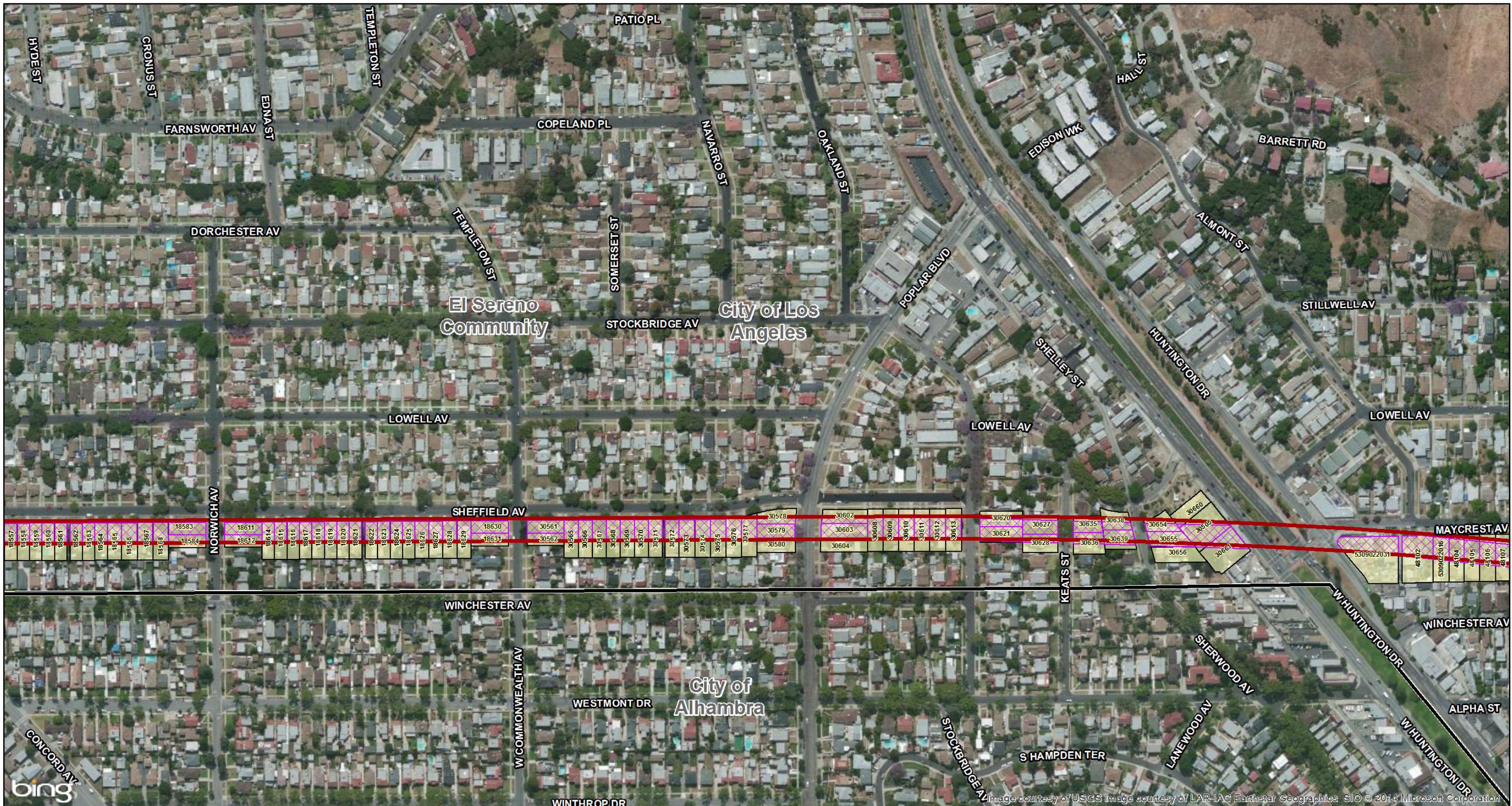
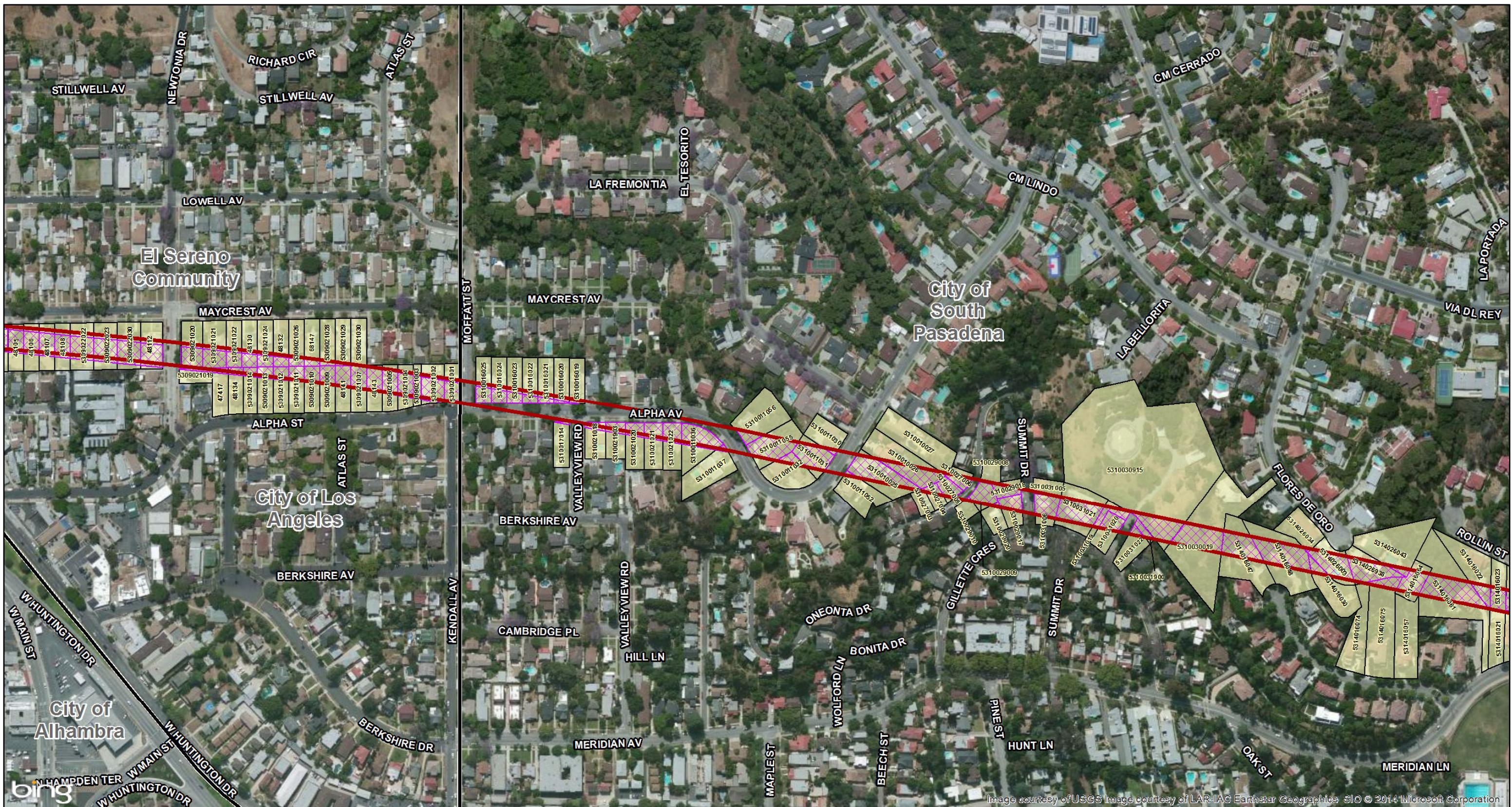


FIGURE 3.3-12  
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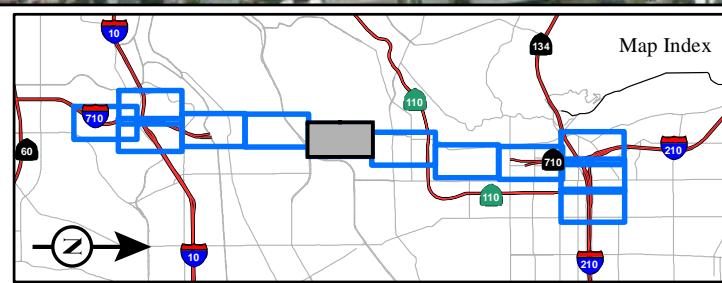
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**FIGURE 3.3-12**

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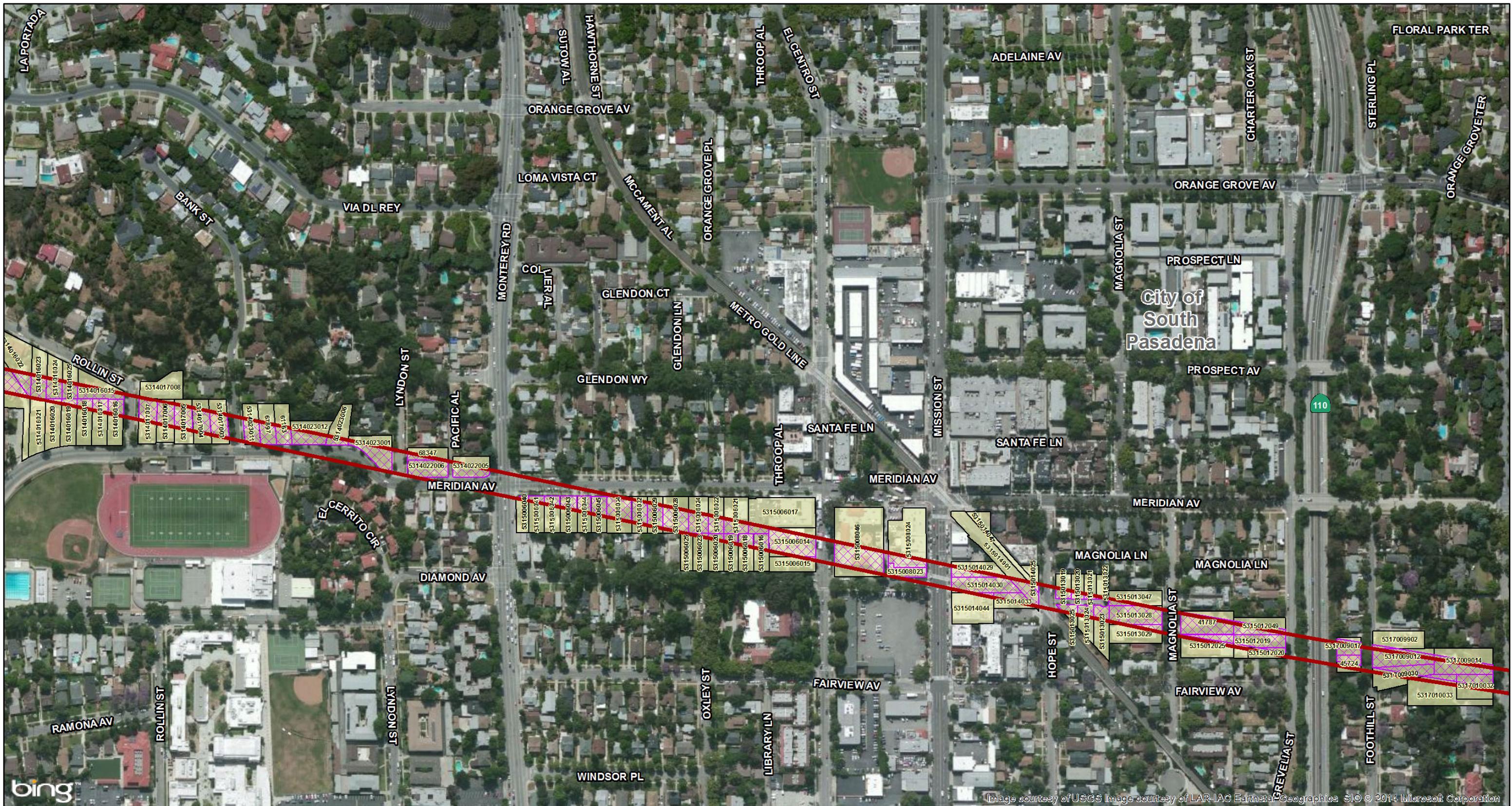
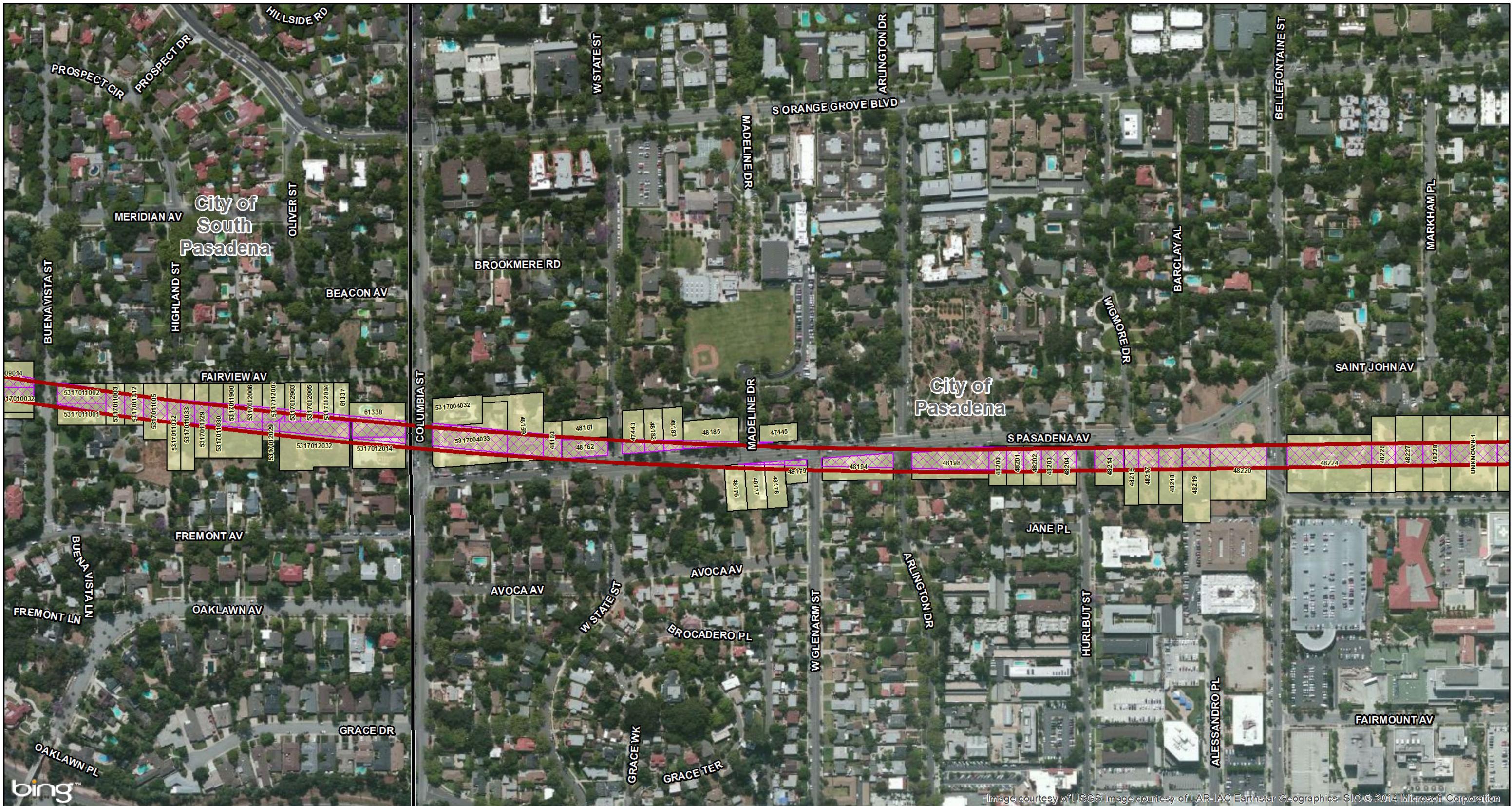


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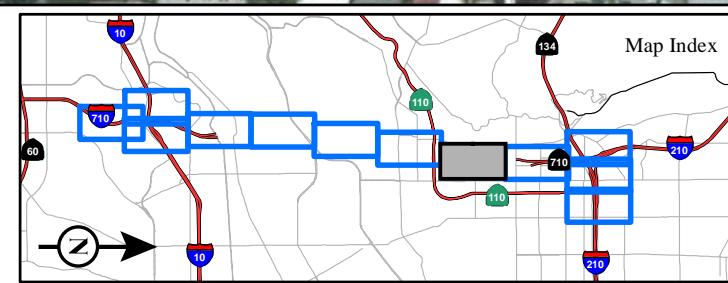

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- / Full Acquisition
- / Partial Acquisition
- / Permanent Easement
- / Temporary Construction Easement


**FIGURE 3.3-12**

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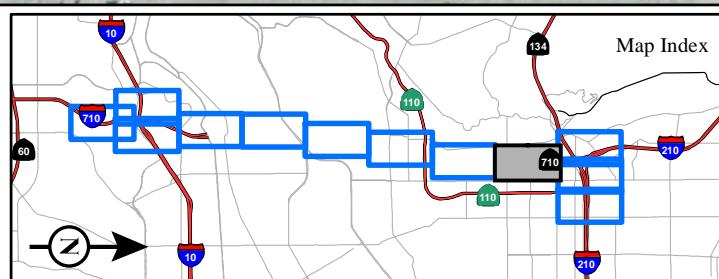
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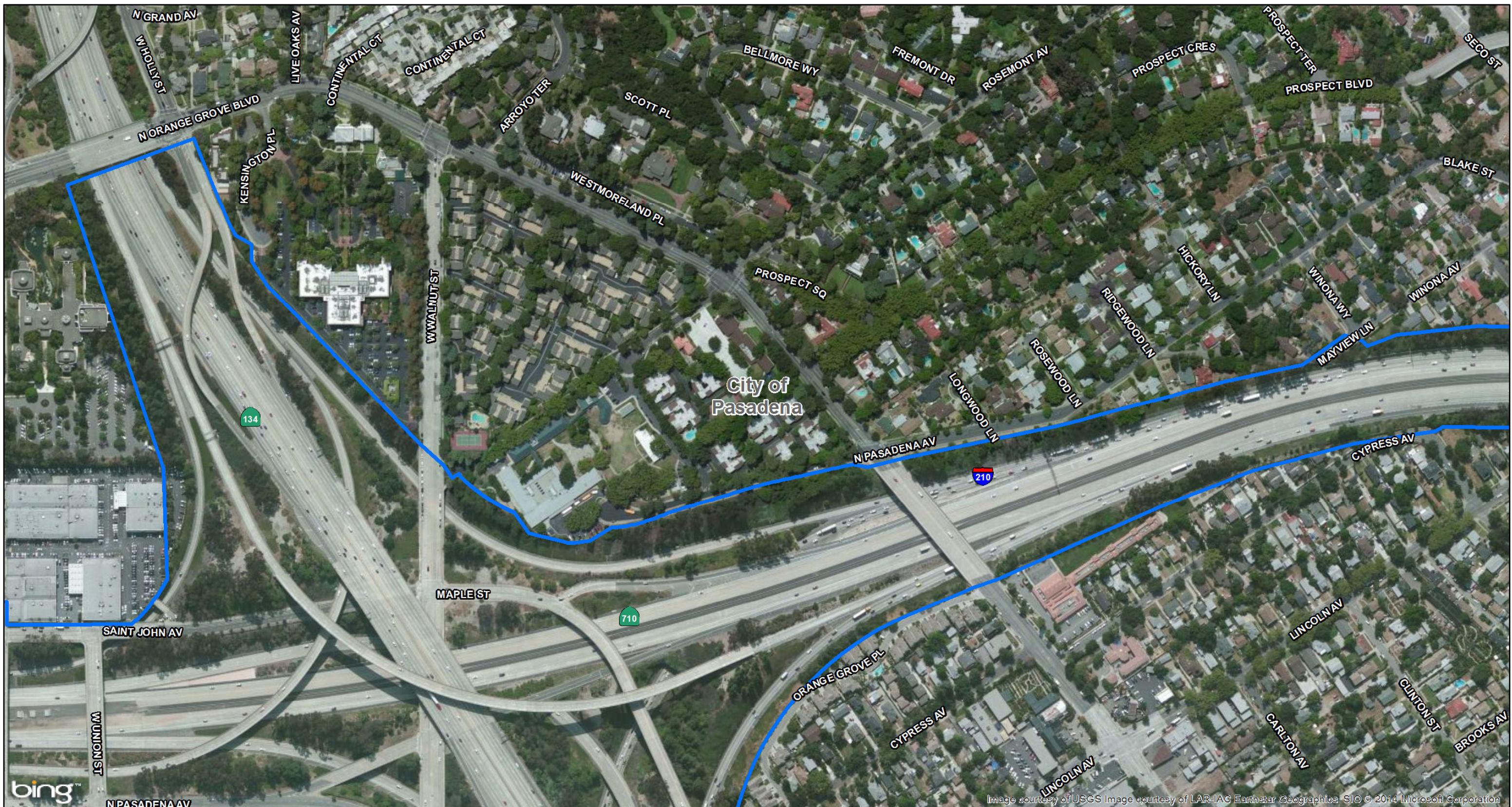
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- 0 150 300 FEET

SOURCE: Bing Maps (5/2010); EPIC (12/2013)

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- █ Full Acquisition
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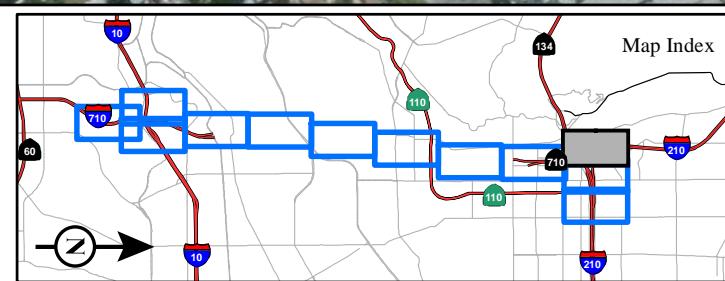


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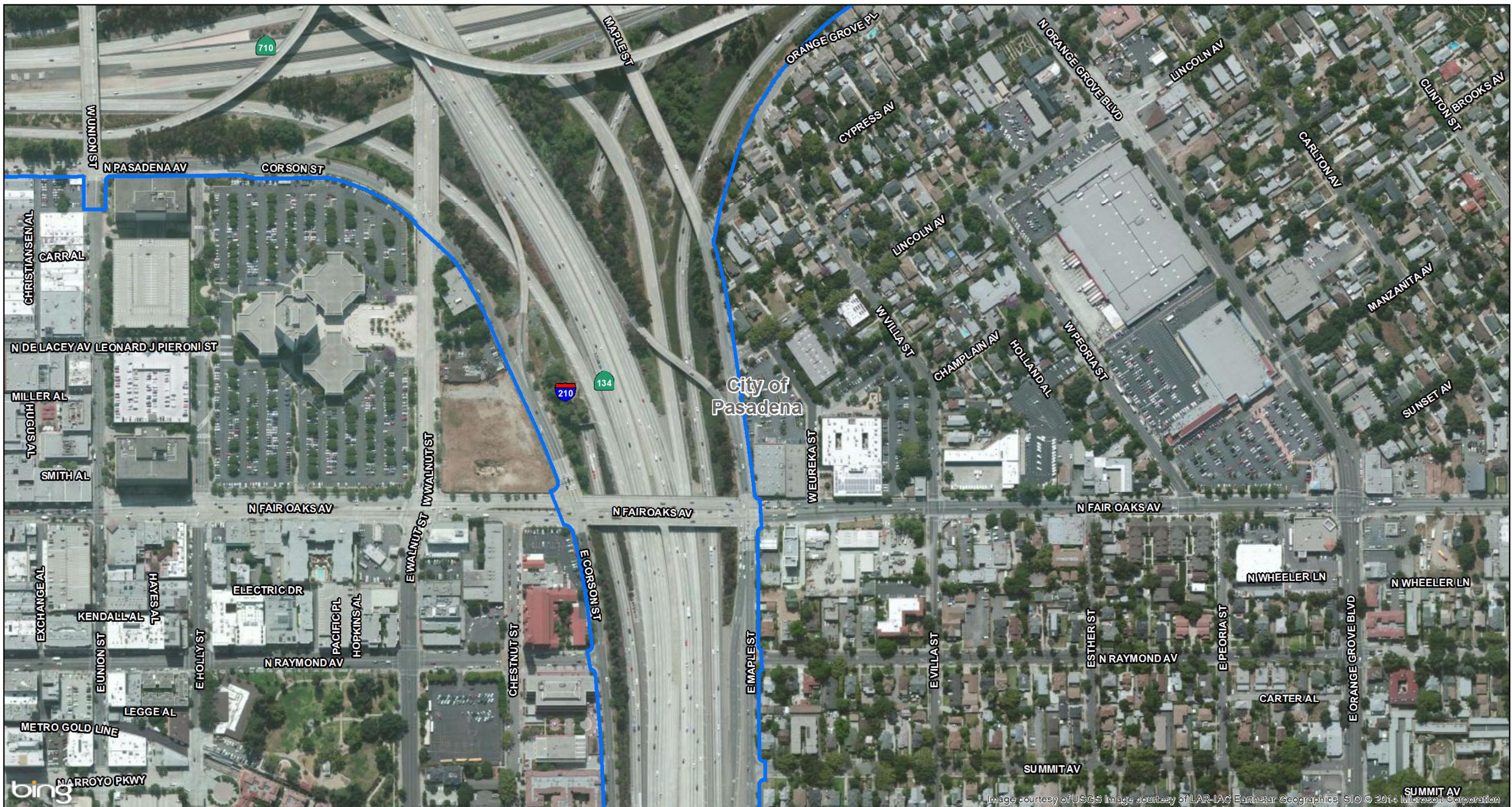


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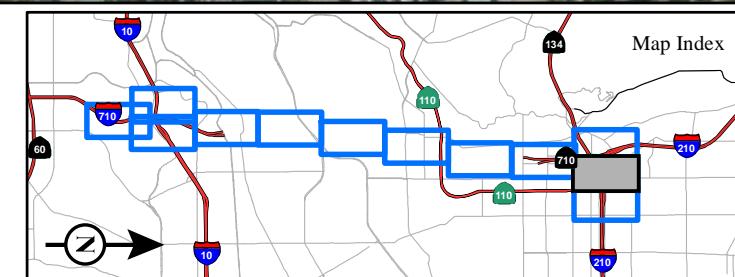
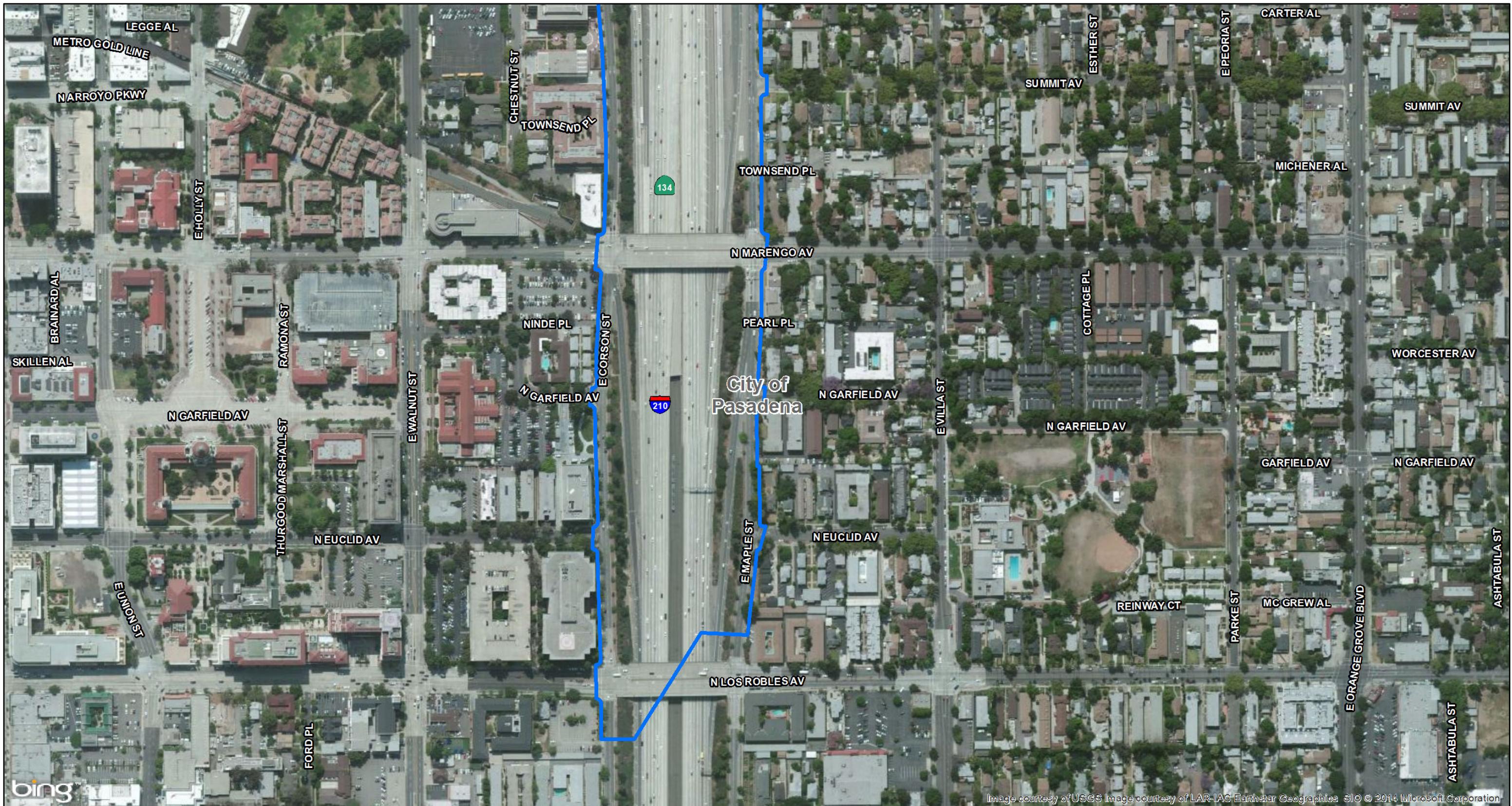


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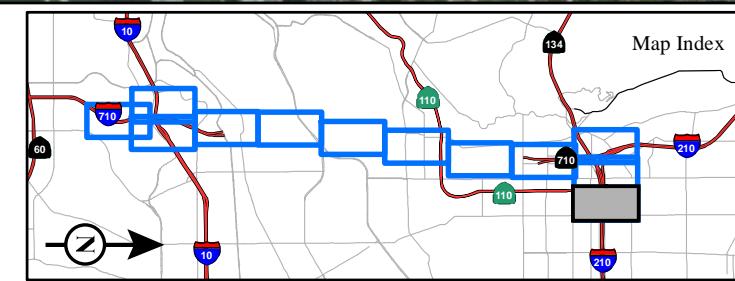


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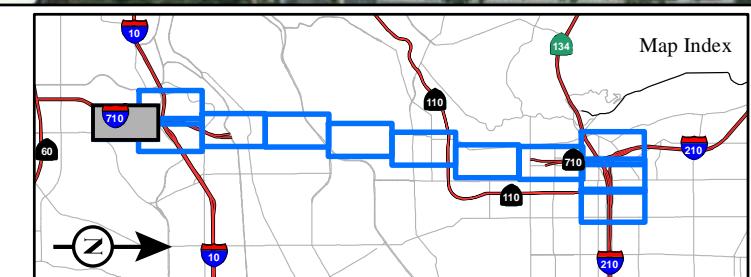

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- 0 150 300 FEET

SOURCE: Bing Maps (5/2010); EPIC (12/2013)

- █ Full Acquisition
- █ Partial Acquisition
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- █ Temporary Construction Easement

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**FIGURE 3.3-13**  
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**SR 710 North Study**  
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- Full Acquisition
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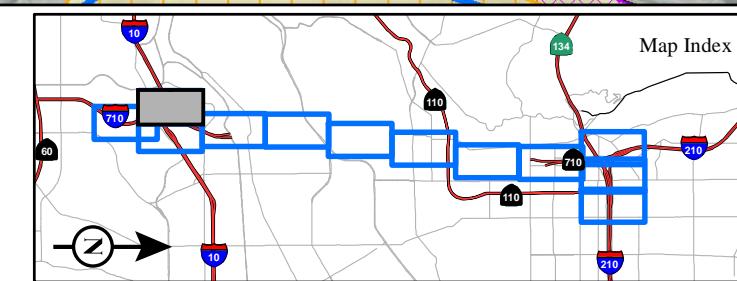


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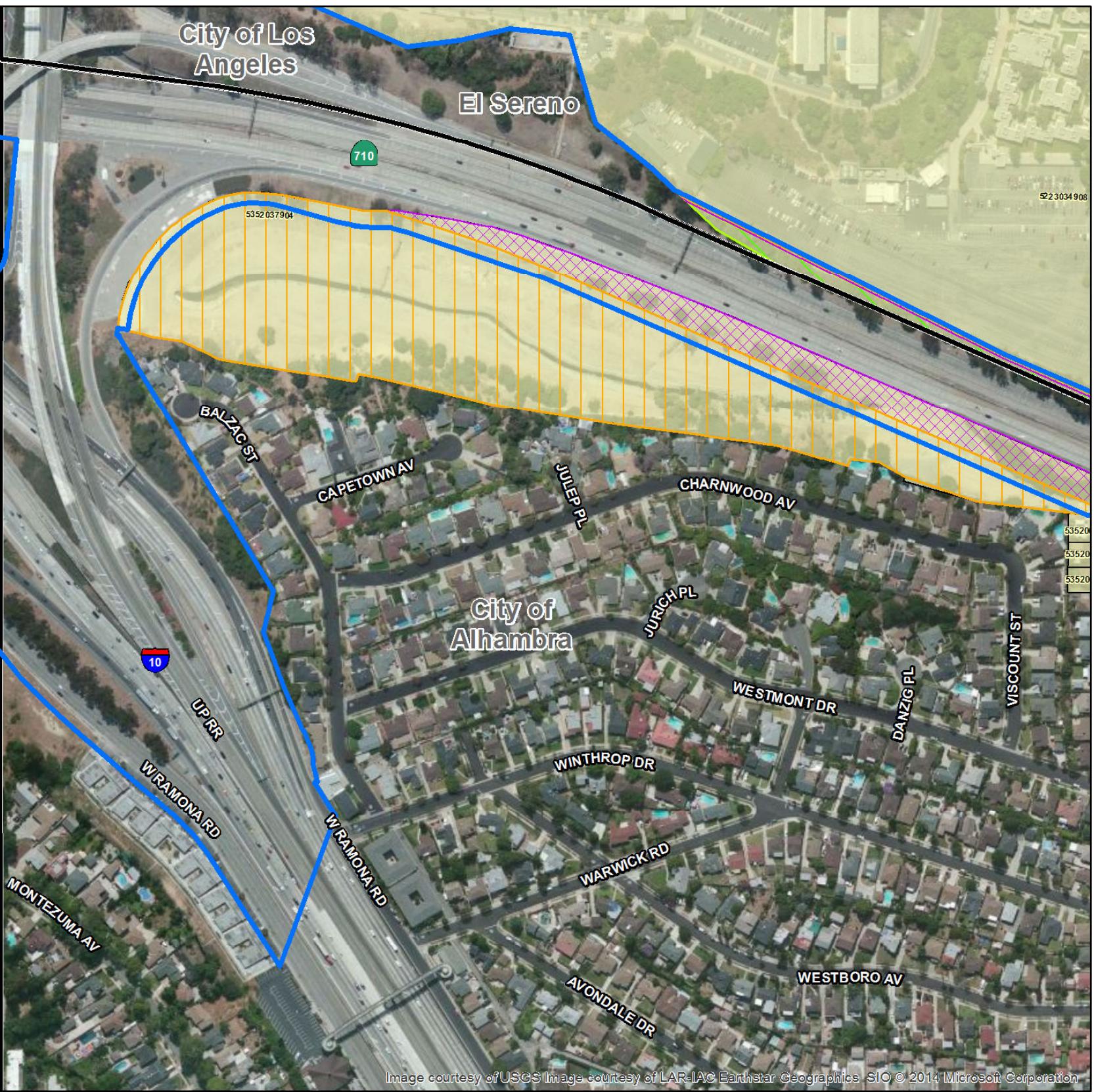
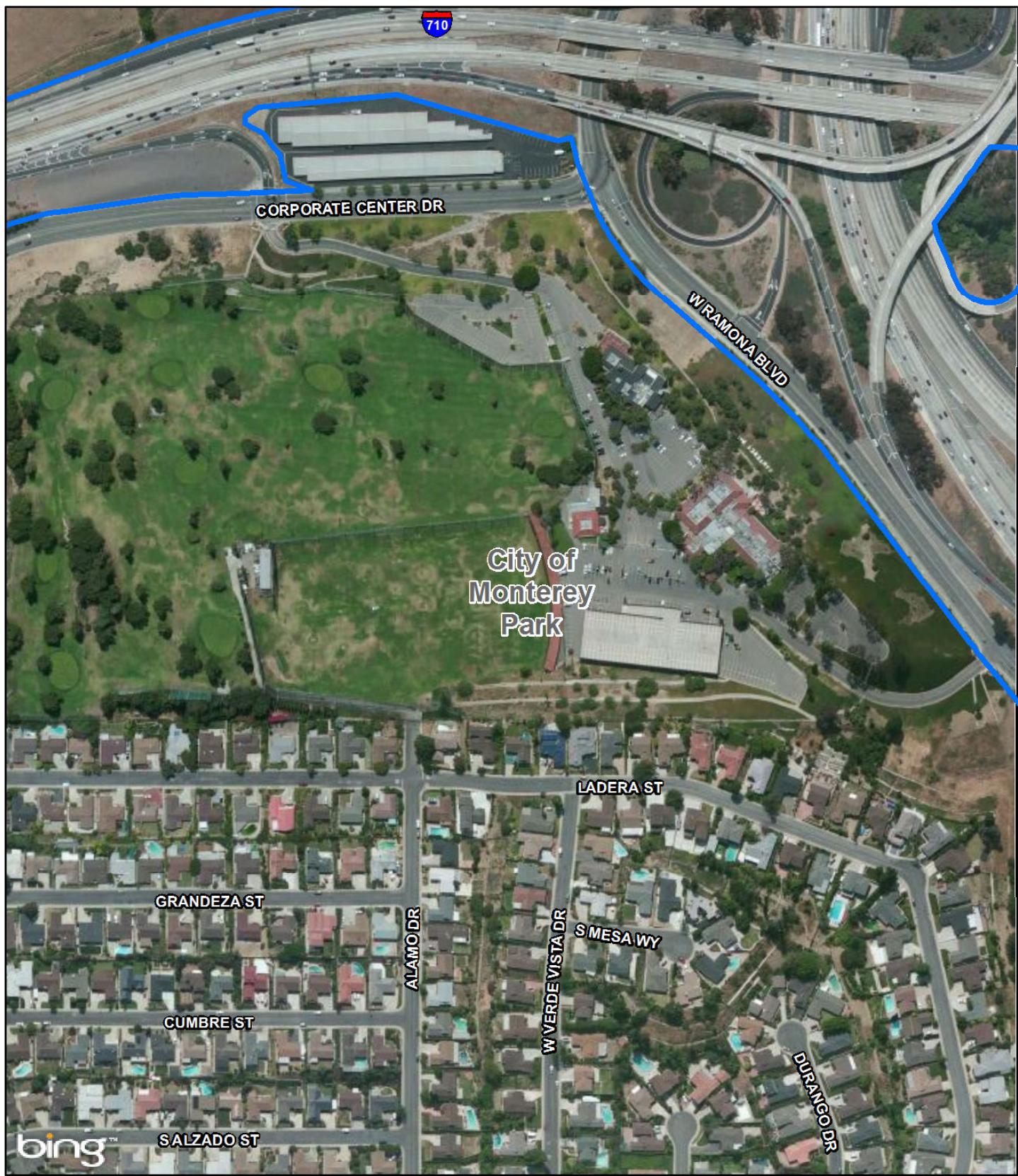


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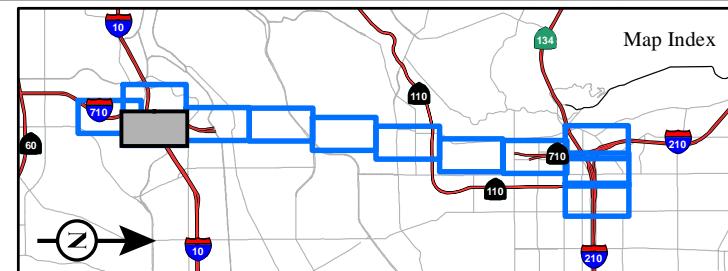


FIGURE 3.3-13

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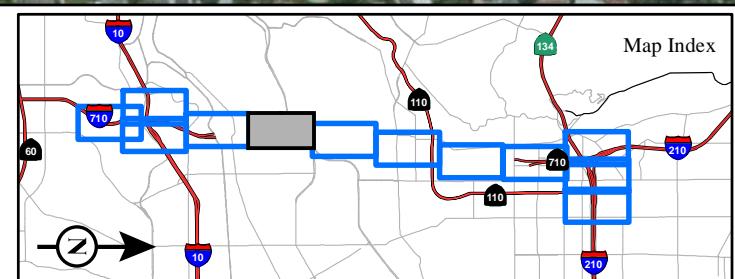
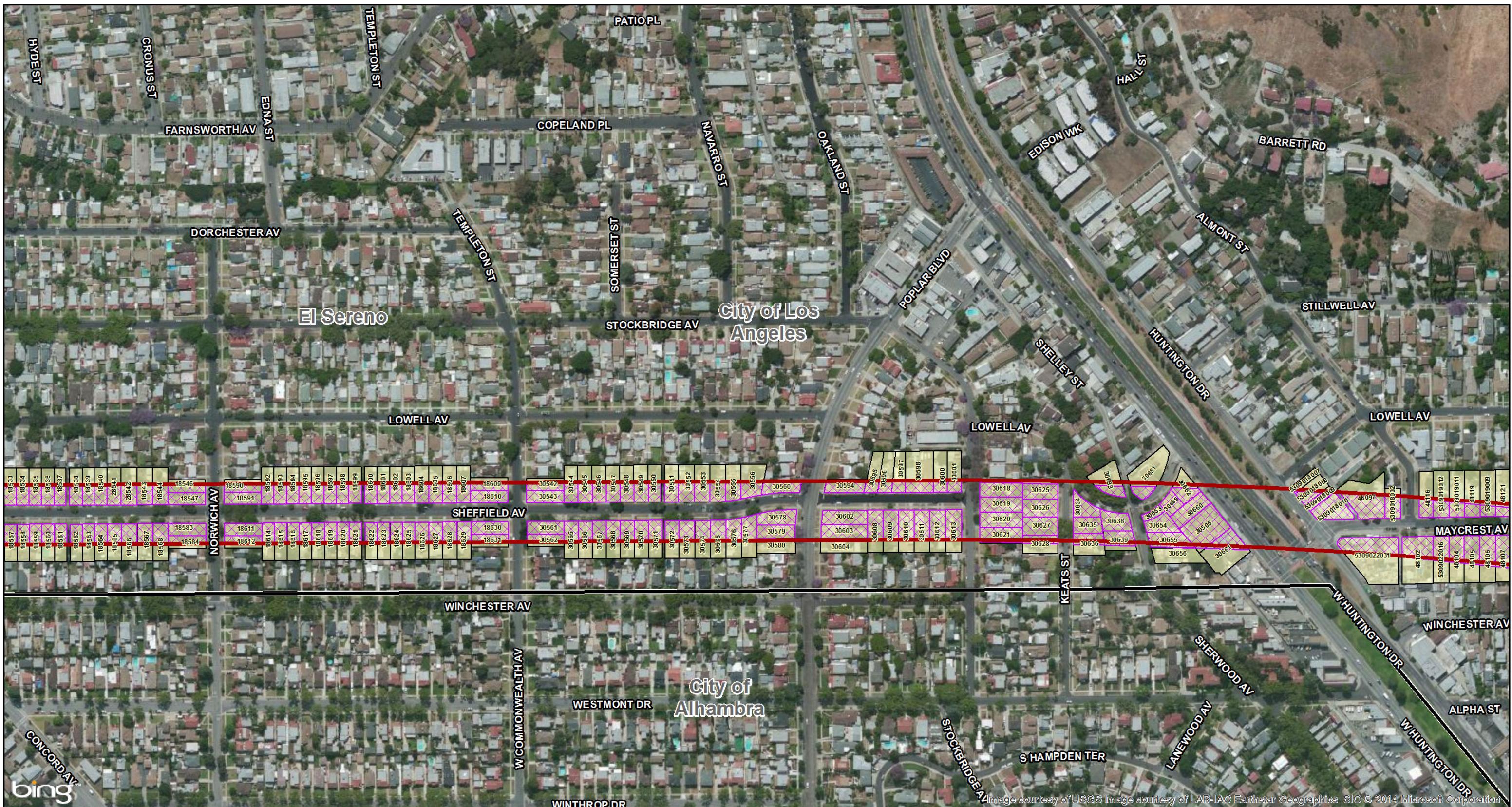


FIGURE 3.3-13

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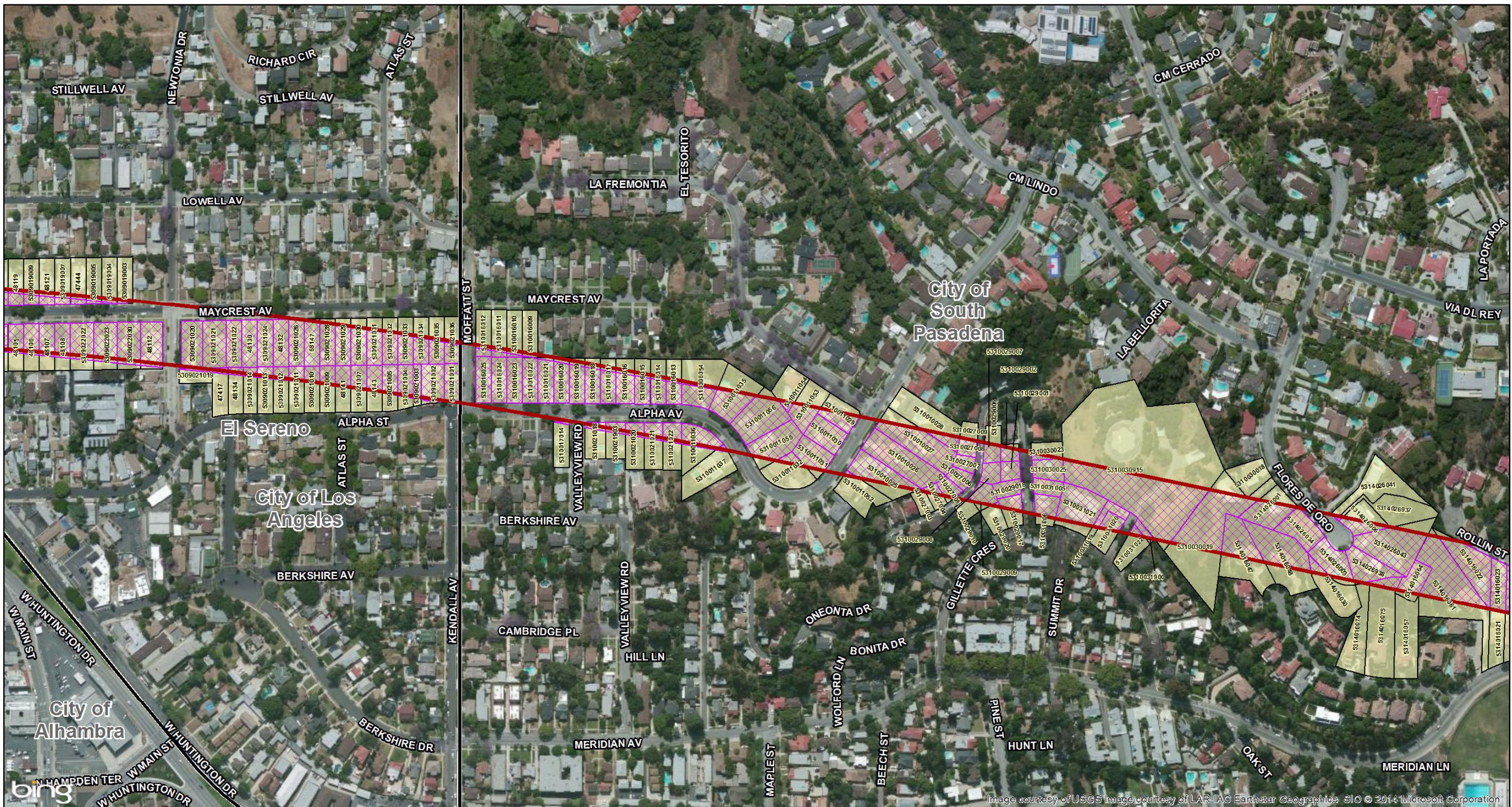


**FIGURE 3.3-13**  
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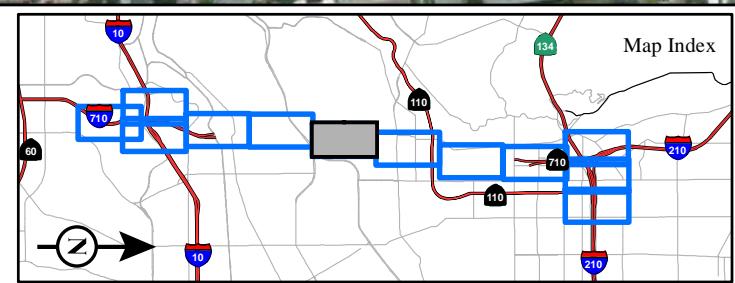
- [Blue Box] At Grade Segment
- [Yellow Box] Cut and Cover Tunnel Segment
- [Red Box] Bored Tunnel Segment
- [Black Line] City/Community/Neighborhood Boundary
- [Light Yellow Box] Parcels Where Acquisitions/Easements Would be Required

SOURCE: Bing Maps (5/2010); EPIC (12/2013)

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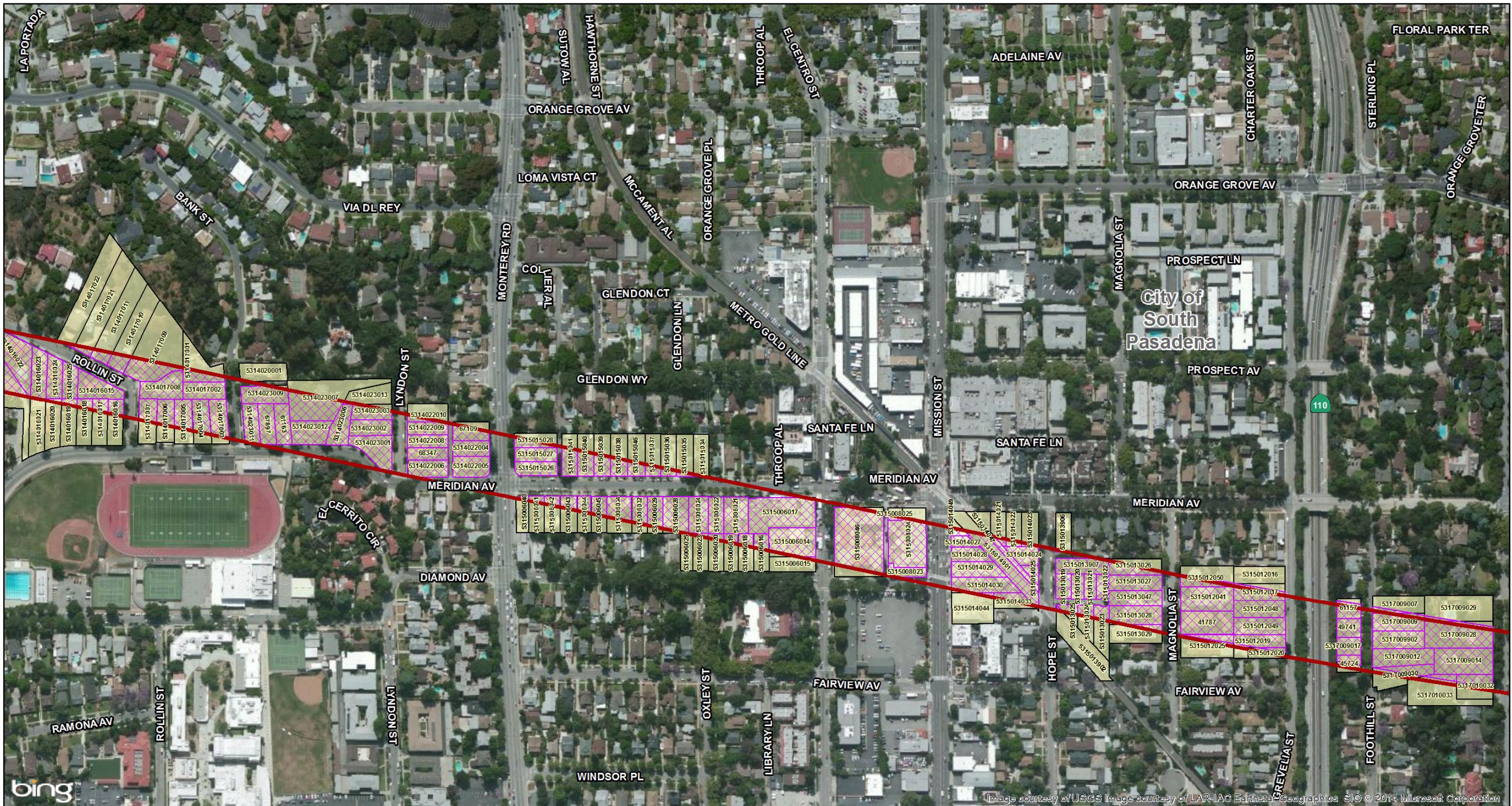
- [Red Diagonal Line] Full Acquisition
- [Green Diagonal Line] Partial Acquisition
- [Purple Hatched Box] Permanent Easement
- [Orange Hatched Box] Temporary Construction Easement

FIGURE 3.3-13  
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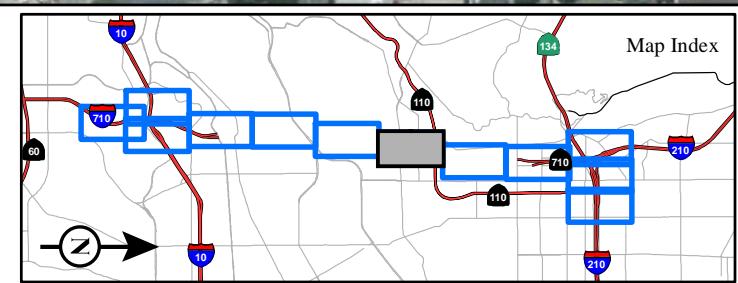

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**LEGEND**

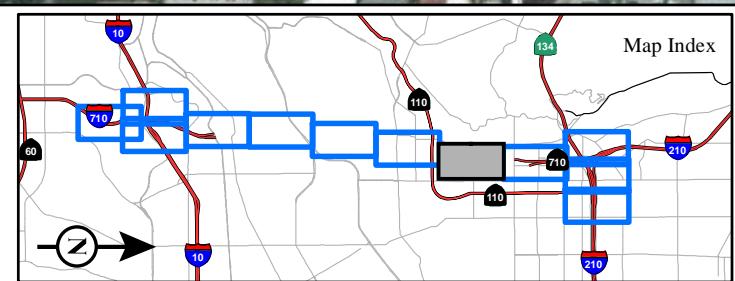
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- █ Cut and Cover Tunnel Segment
- █ Bored Tunnel Segment
- █ City/Community/Neighborhood Boundary
- Parcels Where Acquisitions/Easements Would be Required

SOURCE: Bing Maps (5/2010); EPIC (12/2013)

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- █ Full Acquisition
- █ Partial Acquisition
- █ Permanent Easement
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Image courtesy of USGS Image courtesy of LAR-IAC Earthstar Geographics SIO © 2014 Microsoft Corporation

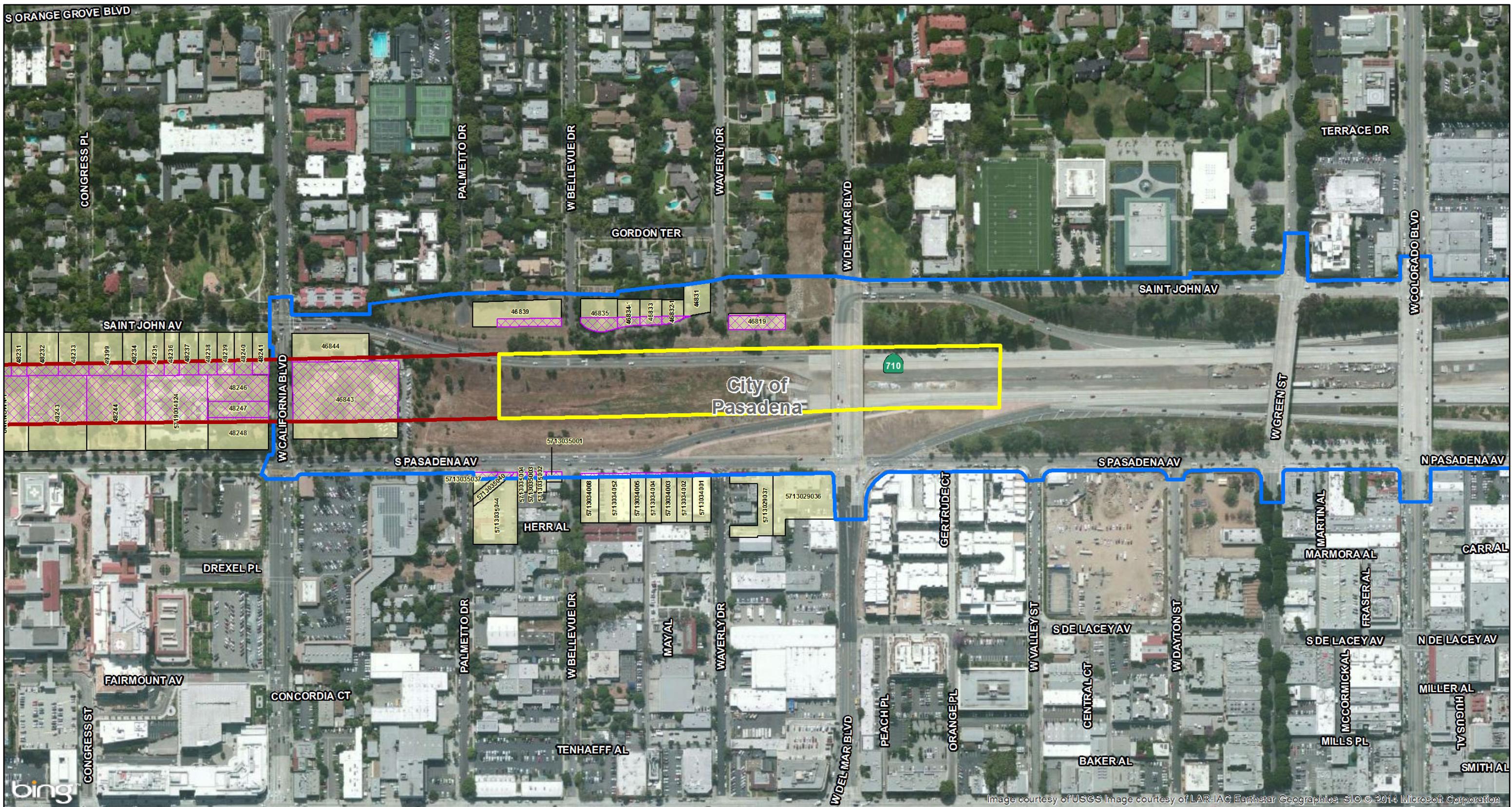


**FIGURE 3.3-13**

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**SR 710 North Study**  
**Freeway Tunnel Alternative - Dual Bore Design Variation**  
**Parcel Acquisitions**  
 07-LA-710 (SR 710)  
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**LEGEND**

- At Grade Segment
- Cut and Cover Tunnel Segment
- Bored Tunnel Segment
- City/Community/Neighborhood Boundary
- Parcels Where Acquisitions/Easements Would be Required
- Full Acquisition
- Partial Acquisition
- Permanent Easement
- Temporary Construction Easement

**SOURCE:** Bing Maps (5/2010); EPIC (12/2013)

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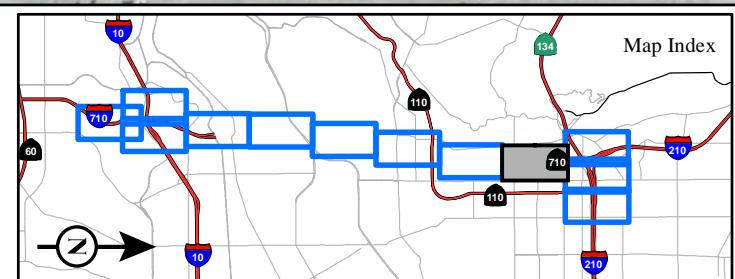
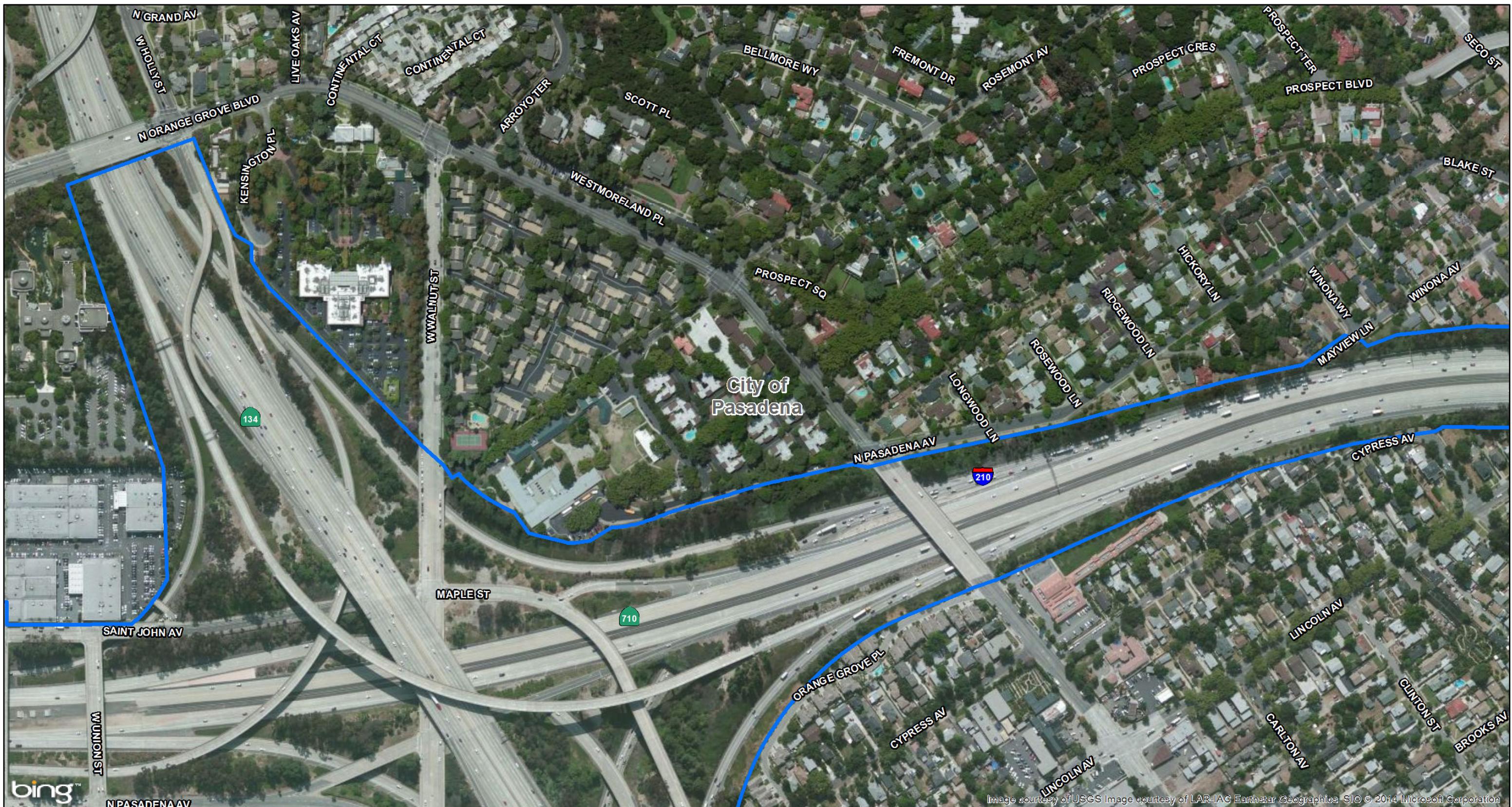


FIGURE 3.3-13  
Sheet 9 of 12

SR 710 North Study  
Freeway Tunnel Alternative - Dual Bore Design Variation  
Parcel Acquisitions  
07-LA-710 (SR 710)  
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#### LEGEND

- █ At Grade Segment
  - █ Cut and Cover Tunnel Segment
  - █ Bored Tunnel Segment
  - █ City/Community/Neighborhood Boundary
  - █ Parcels Where Acquisitions/Easements Would be Required
- 0 150 300 FEET

SOURCE: Bing Maps (5/2010); EPIC (12/2013)

- █ Full Acquisition
- █ Partial Acquisition
- █ Permanent Easement
- █ Temporary Construction Easement

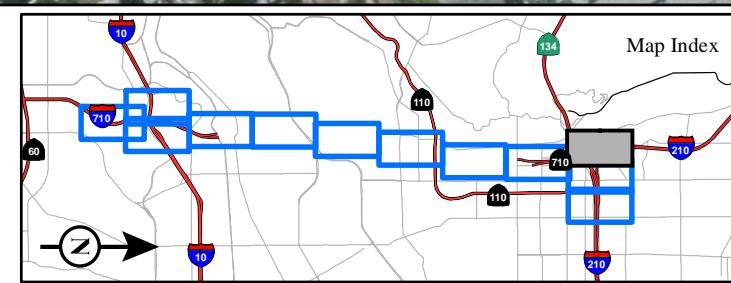
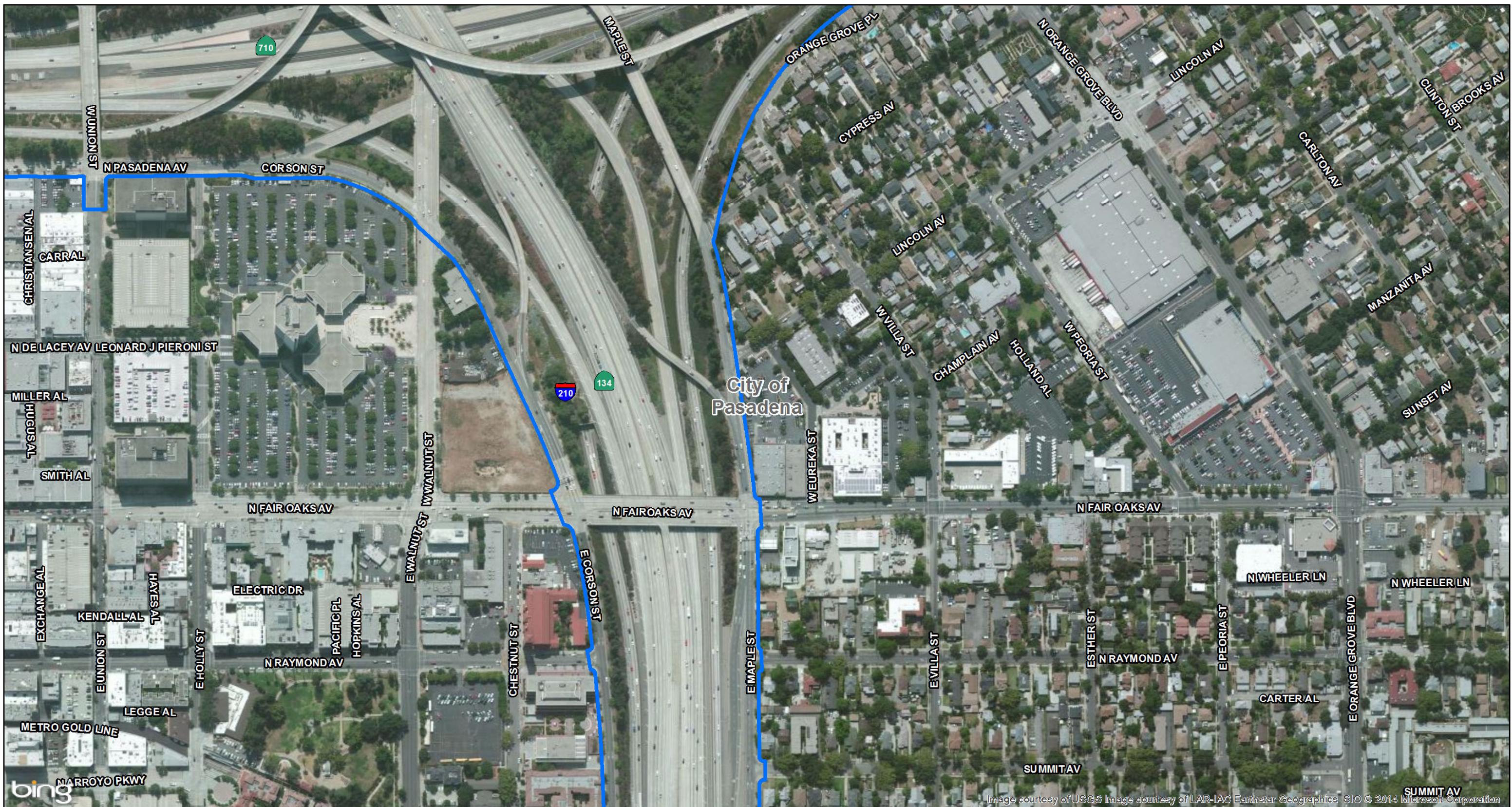


FIGURE 3.3-13  
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**SR 710 North Study**  
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**Parcel Acquisitions**  
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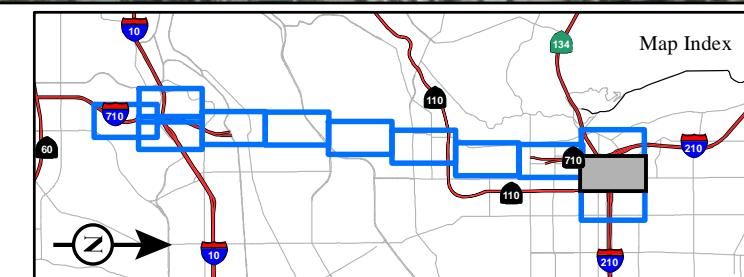

**LEGEND**

- At Grade Segment
  - Cut and Cover Tunnel Segment
  - Bored Tunnel Segment
  - City/Community/Neighborhood Boundary
  - Parcels Where Acquisitions/Easements Would be Required
- 0 150 300 FEET

SOURCE: Bing Maps (5/2010); EPIC (12/2013)

- Full Acquisition
- Partial Acquisition
- Permanent Easement
- Temporary Construction Easement

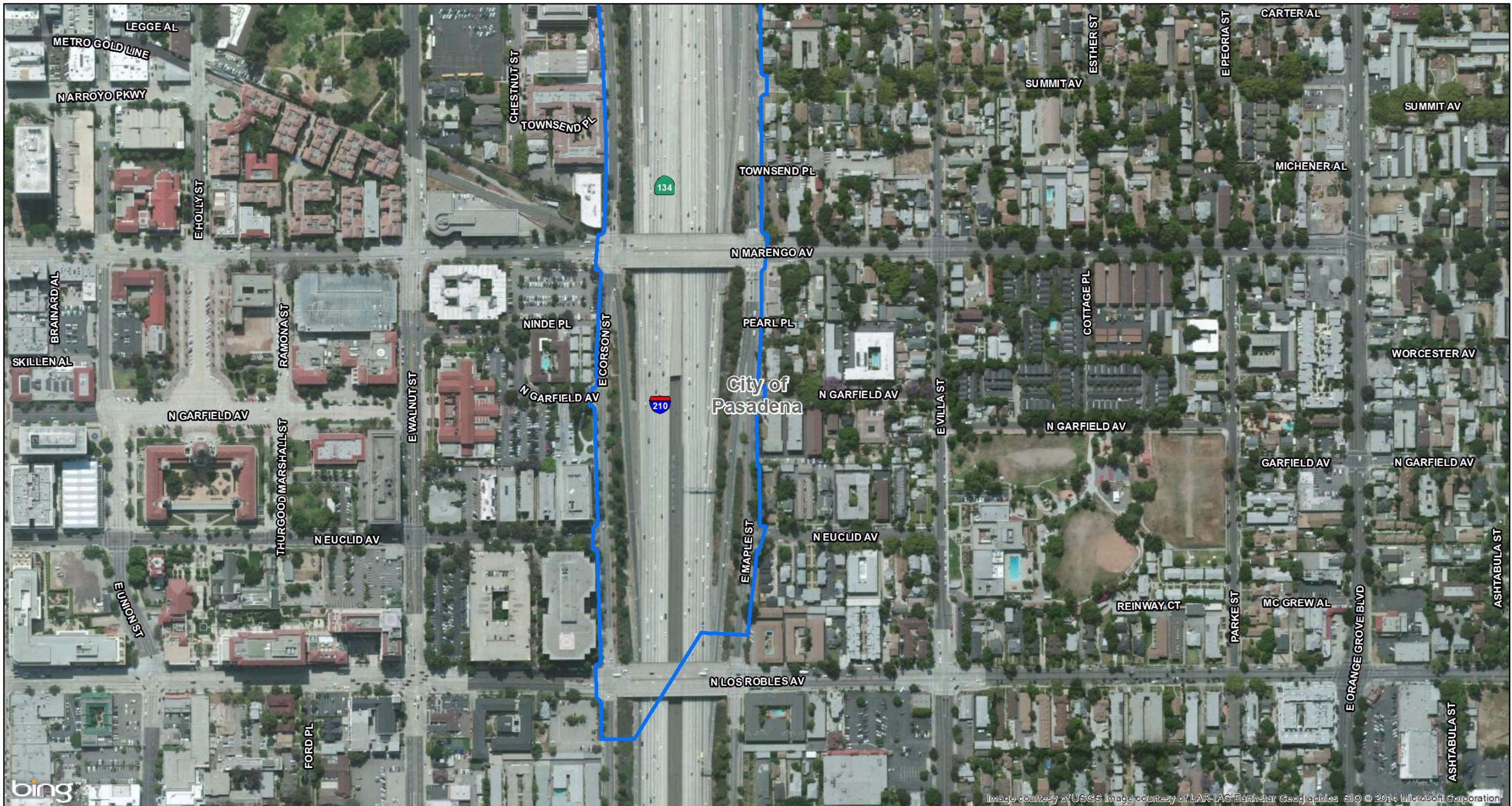
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**FIGURE 3.3-13**

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**Parcel Acquisitions**  
 07-LA-710 (SR 710)  
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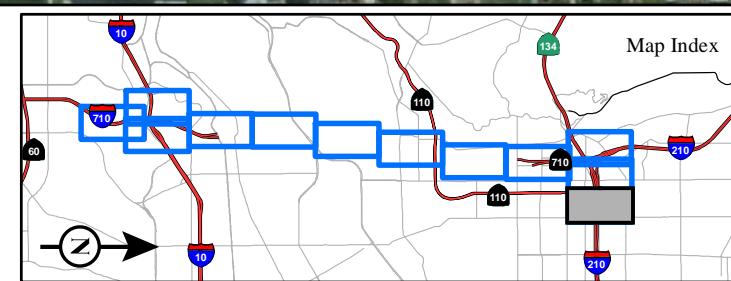
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- █ Bored Tunnel Segment
- █ City/Community/Neighborhood Boundary
- █ Parcels Where Acquisitions/Easements Would be Required

0 150 300  
FEET

SOURCE: Bing Maps (5/2010); EPIC (12/2013)

- █ Full Acquisition
- █ Partial Acquisition
- █ Permanent Easement
- █ Temporary Construction Easement

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**FIGURE 3.3-13**  
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**Parcel Acquisitions**  
**07-LA-710 (SR 710)**  
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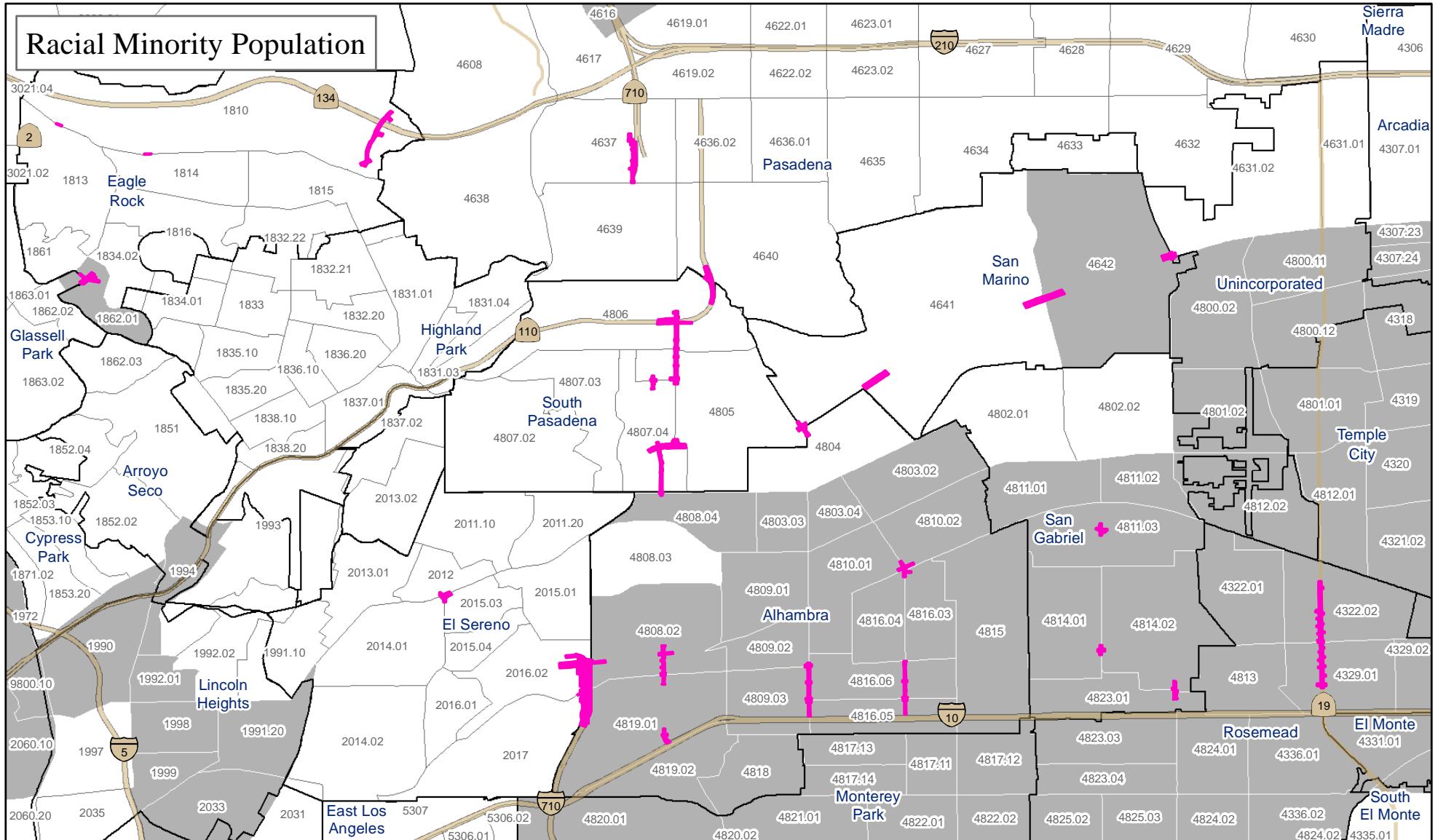
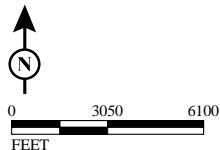


FIGURE 3.3-14

Sheet 1 of 4



SOURCE: CH2M Hill (2013); U.S. Census (2010)

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TSM/TDM Alternative and Environmental Justice Populations

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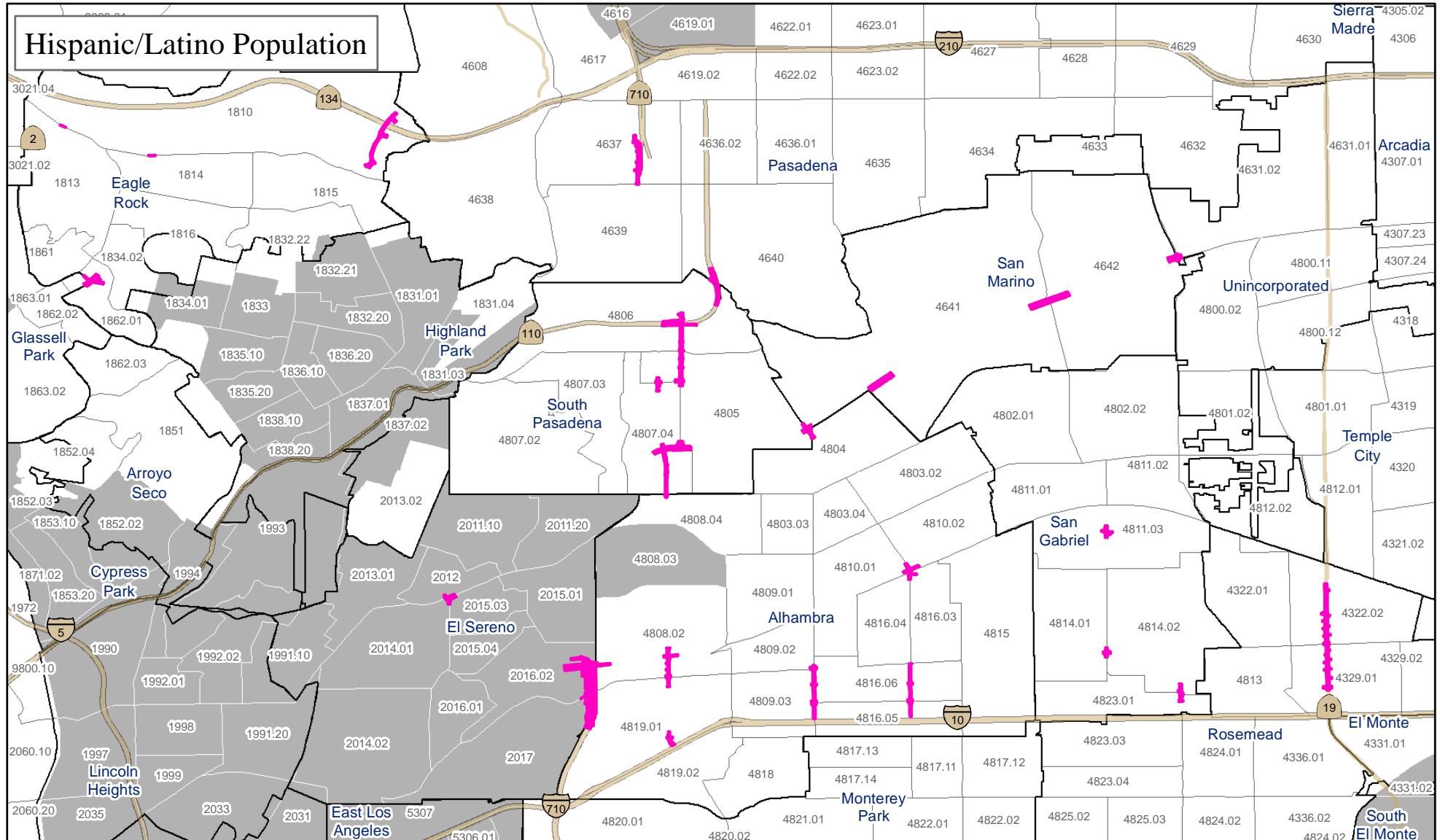


FIGURE 3.3-14

Sheet 2 of 4

LEGEND

TSM/TDM Alternative Local Street and Intersection Improvements

Census Tracts Where the Percentage of Hispanics/Latinos is 10% Higher than the County Average

Jurisdictional Boundary



0 3050 6100  
FEET

SOURCE: CH2M Hill (2013); U.S. Census (2010)

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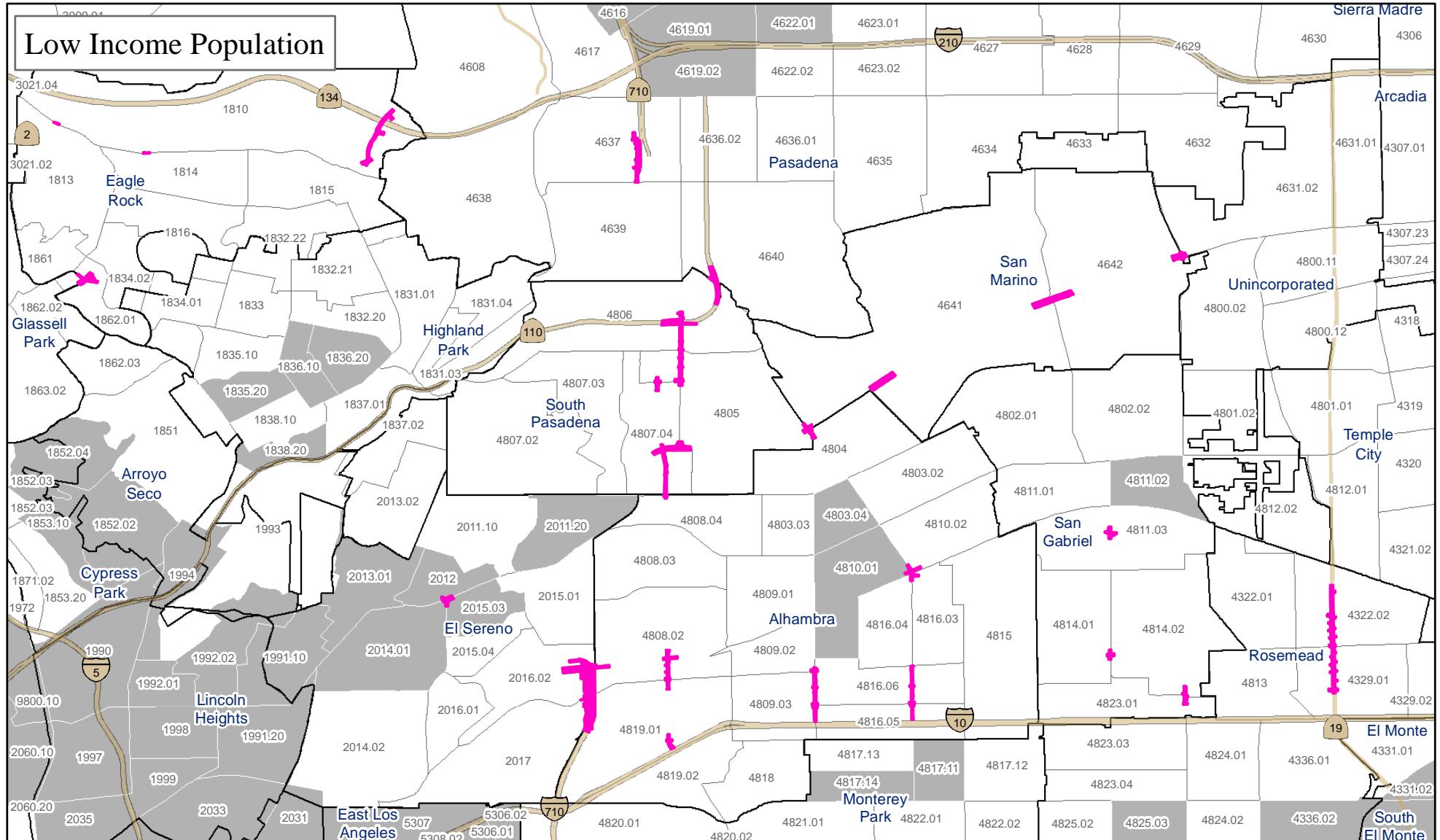
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TSM/TDM Alternative and Environmental Justice Populations

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#### LEGEND

- TSM/TDM Alternative Local Street and Intersection Improvements
- Census Tracts Where the Percentage of Persons Living Below the Poverty Level is 5% Higher than the County Average
- Jurisdictional Boundary



0 3000 6000  
FEET

SOURCE: CH2M Hill (2013); U.S. Census ACS 2007-2011, Table DP03

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FIGURE 3.3-14

Sheet 3 of 4

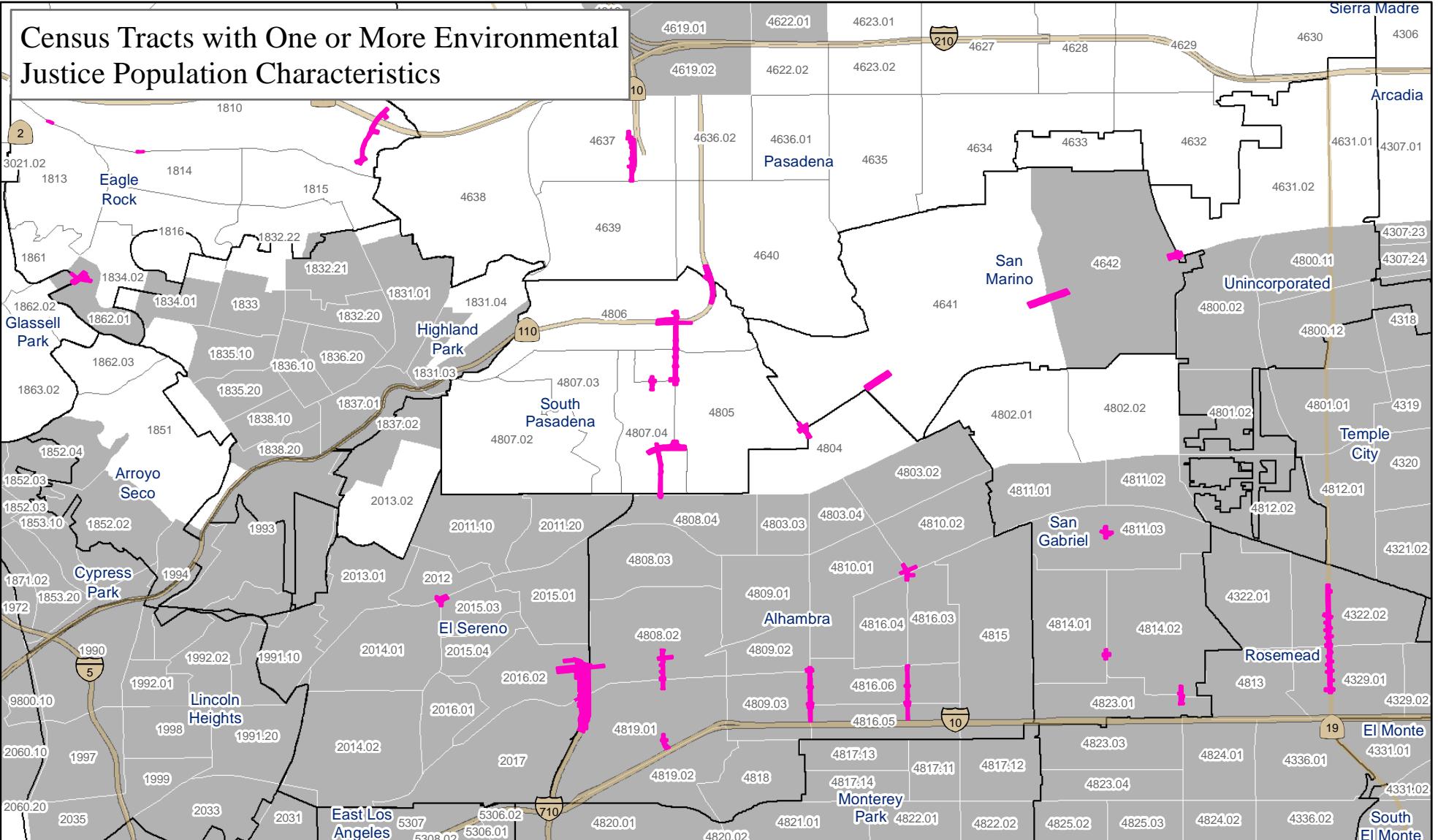
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**TSM/TDM Alternative and Environmental Justice Populations**

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#### LEGEND

■ TSM/TDM Alternative Local Street and Intersection Improvements

Census Tracts with One or More Environmental Justice Population Percentage Substantially Greater than the County Average

Jurisdictional Boundary

SOURCE: CH2M Hill (2013); U.S. Census (2010); U.S. Census ACS 2007-2011, Tables DP03, B01001, B25046, and B26001

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FIGURE 3.3-14

Sheet 4 of 4

SR 710 North Study

TSM/TDM Alternative and Environmental Justice Populations

07-LA-710 (SR 710)

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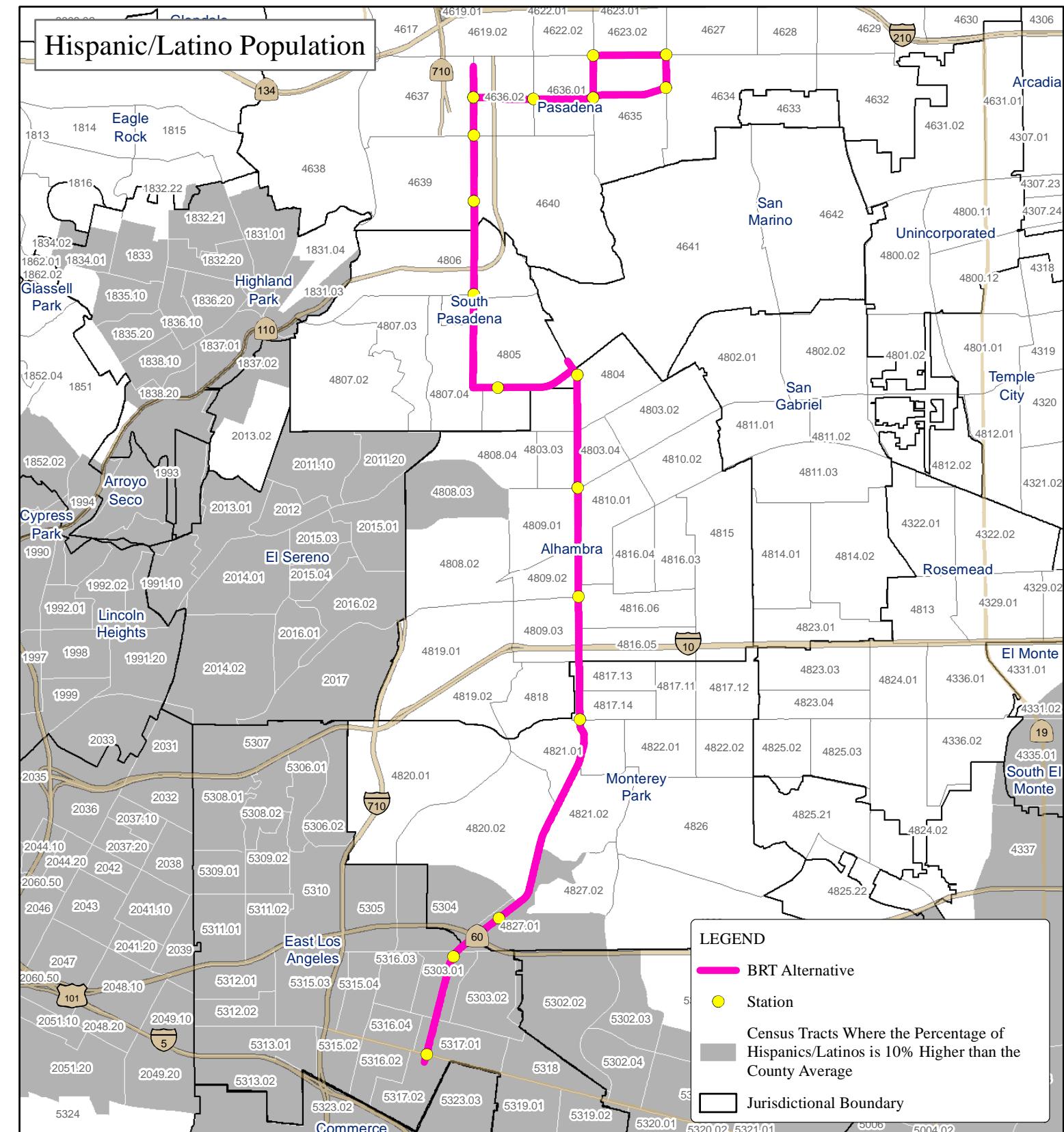
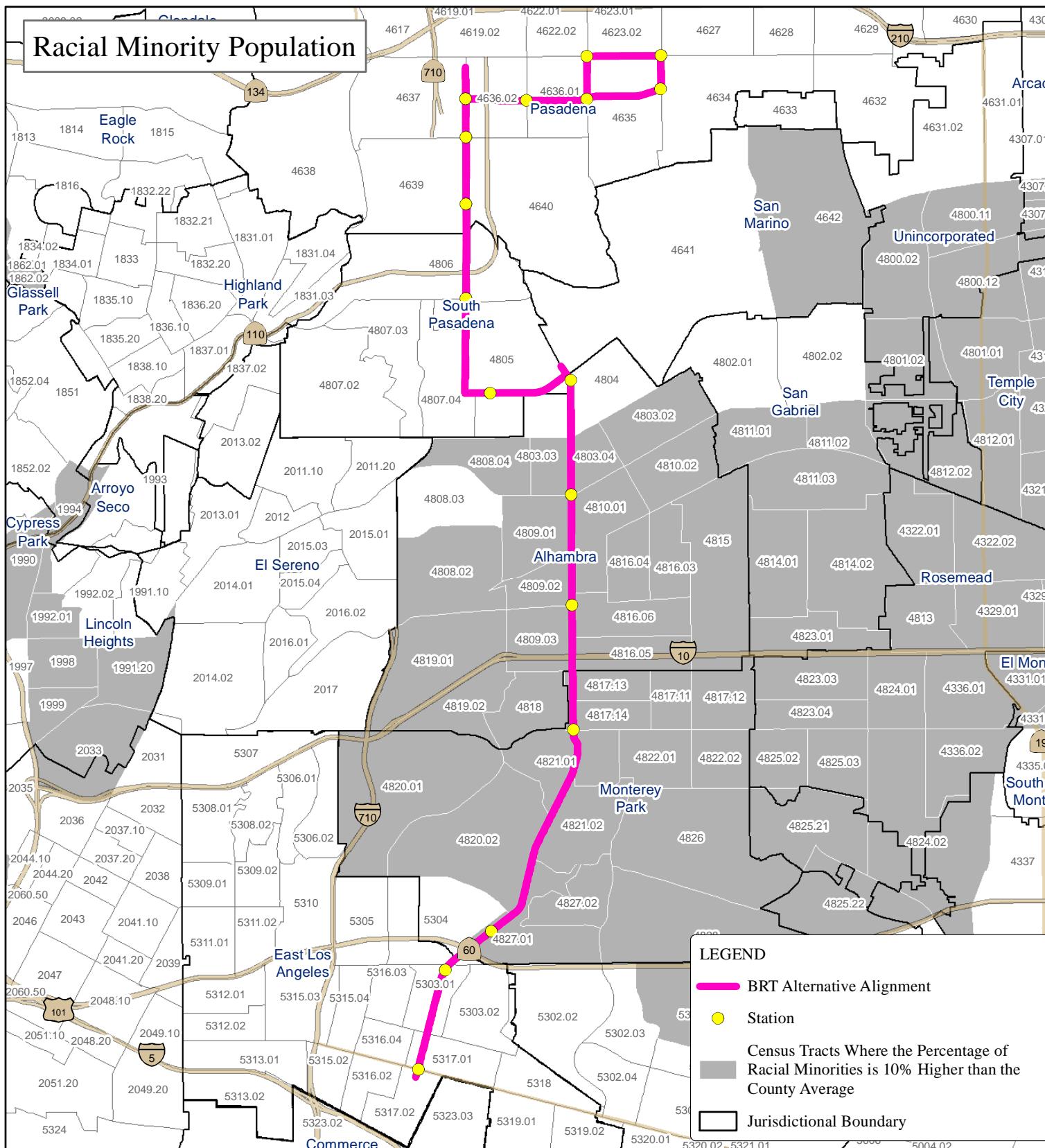


FIGURE 3.3-15

Sheet 1 of 2



SOURCE: CH2M Hill (2013); U.S. Census (2010)

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BRT Alternative and Environmental Justice Populations

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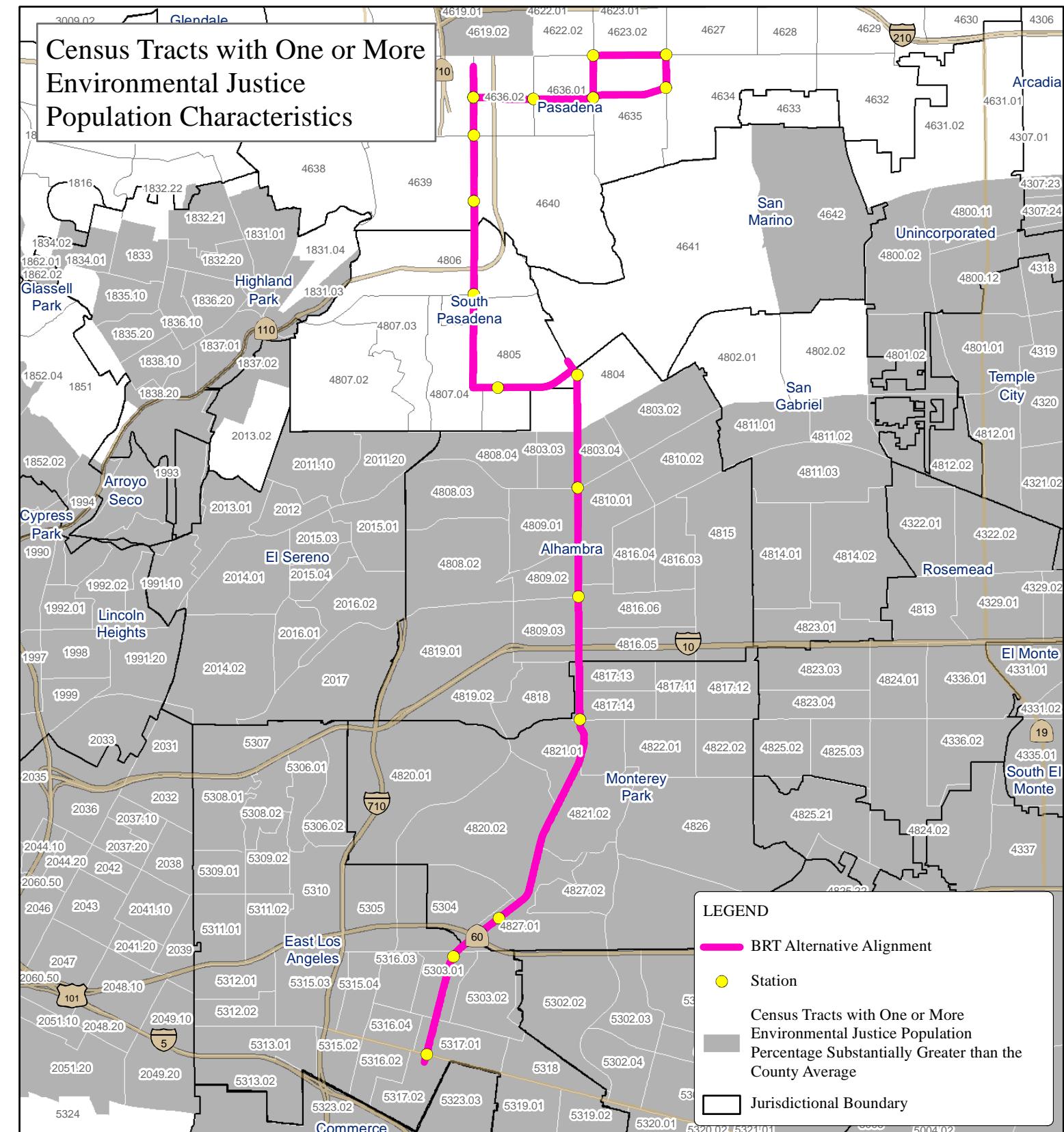
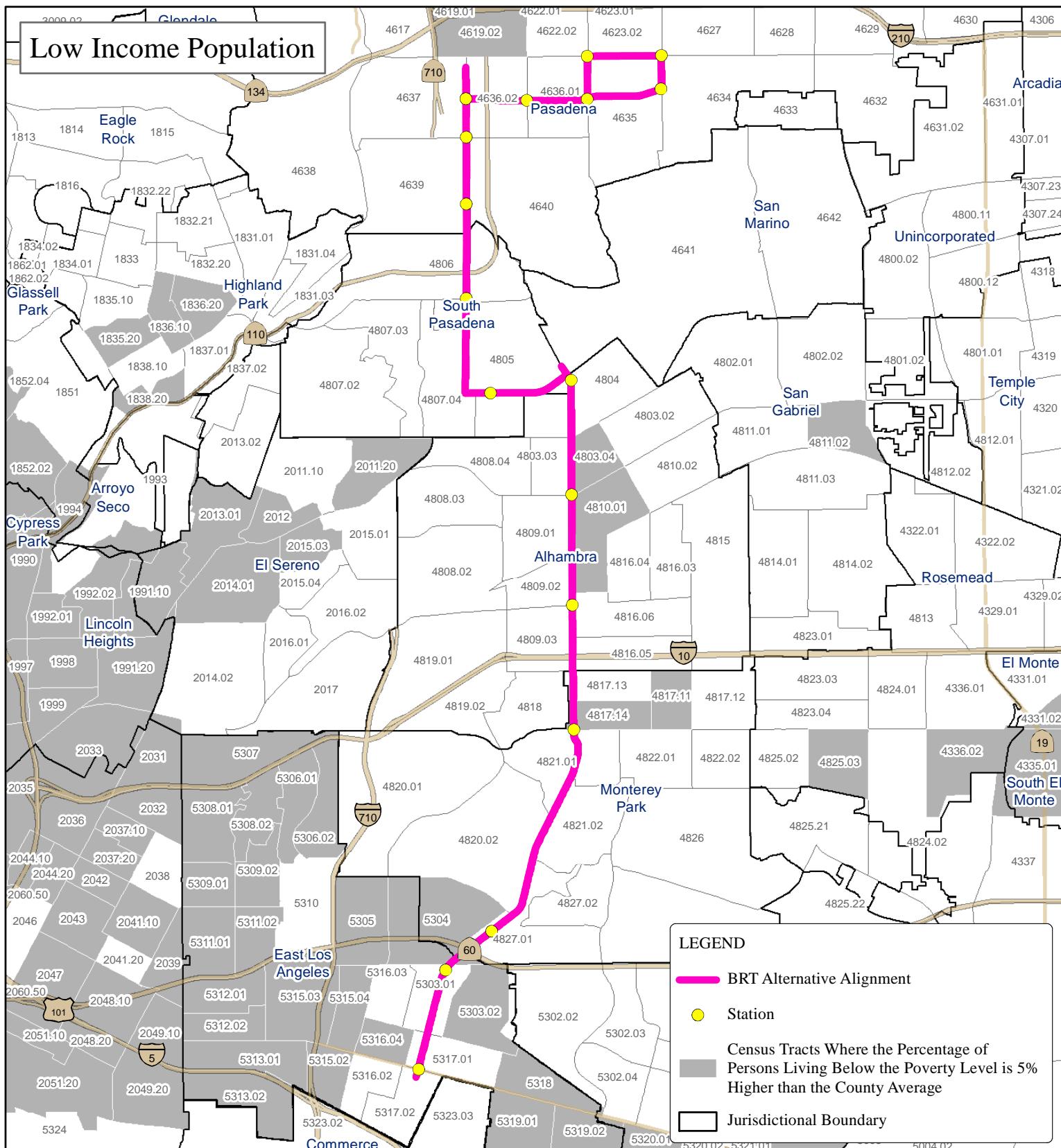


FIGURE 3.3-15

Sheet 2 of 2



SOURCE: CH2M Hill (2013); U.S. Census (2010); U.S. Census ACS 2007-2011, Tables DP03, B01001, B25046, and B26001

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**BRT Alternative and Environmental Justice Populations**

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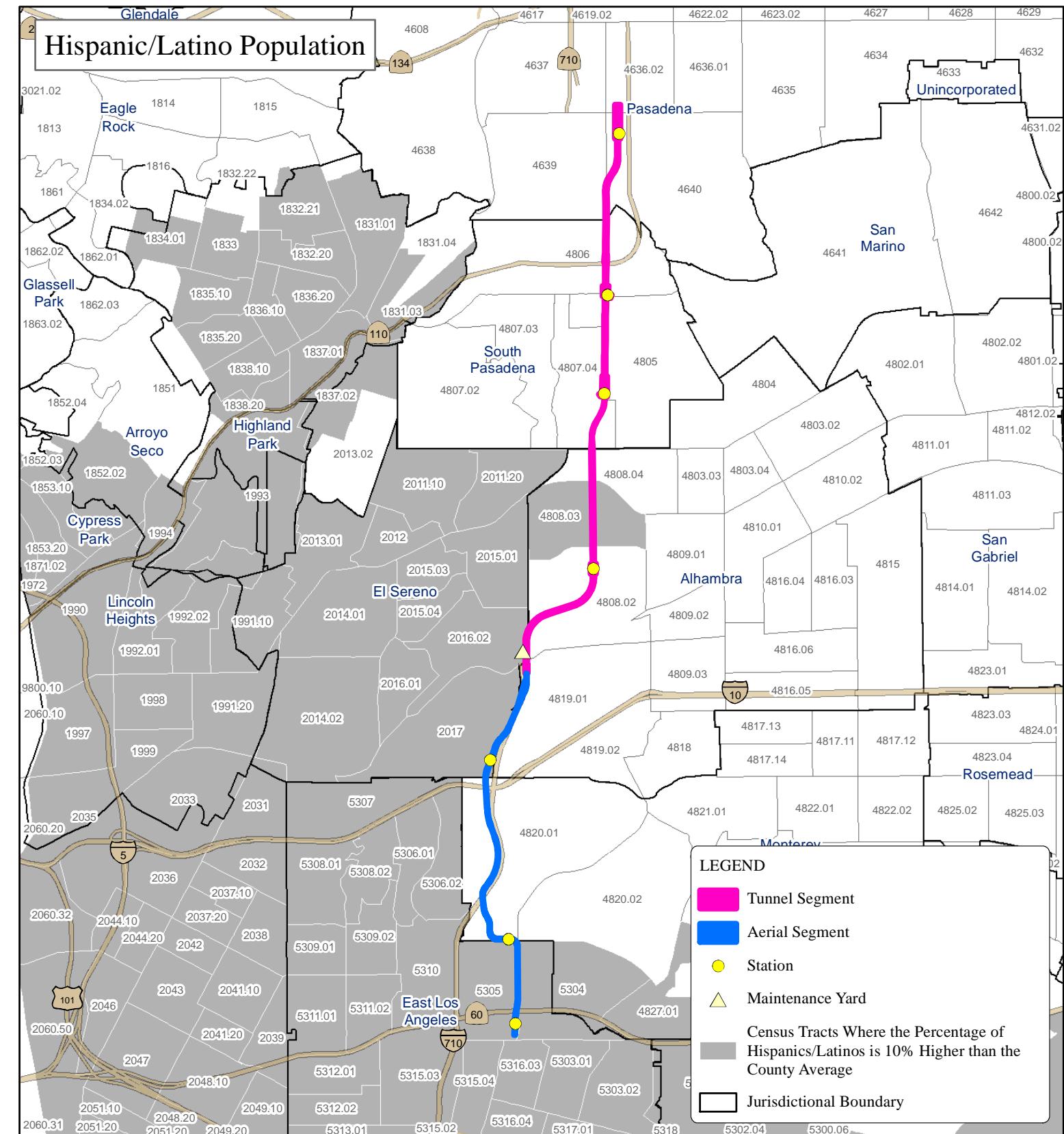
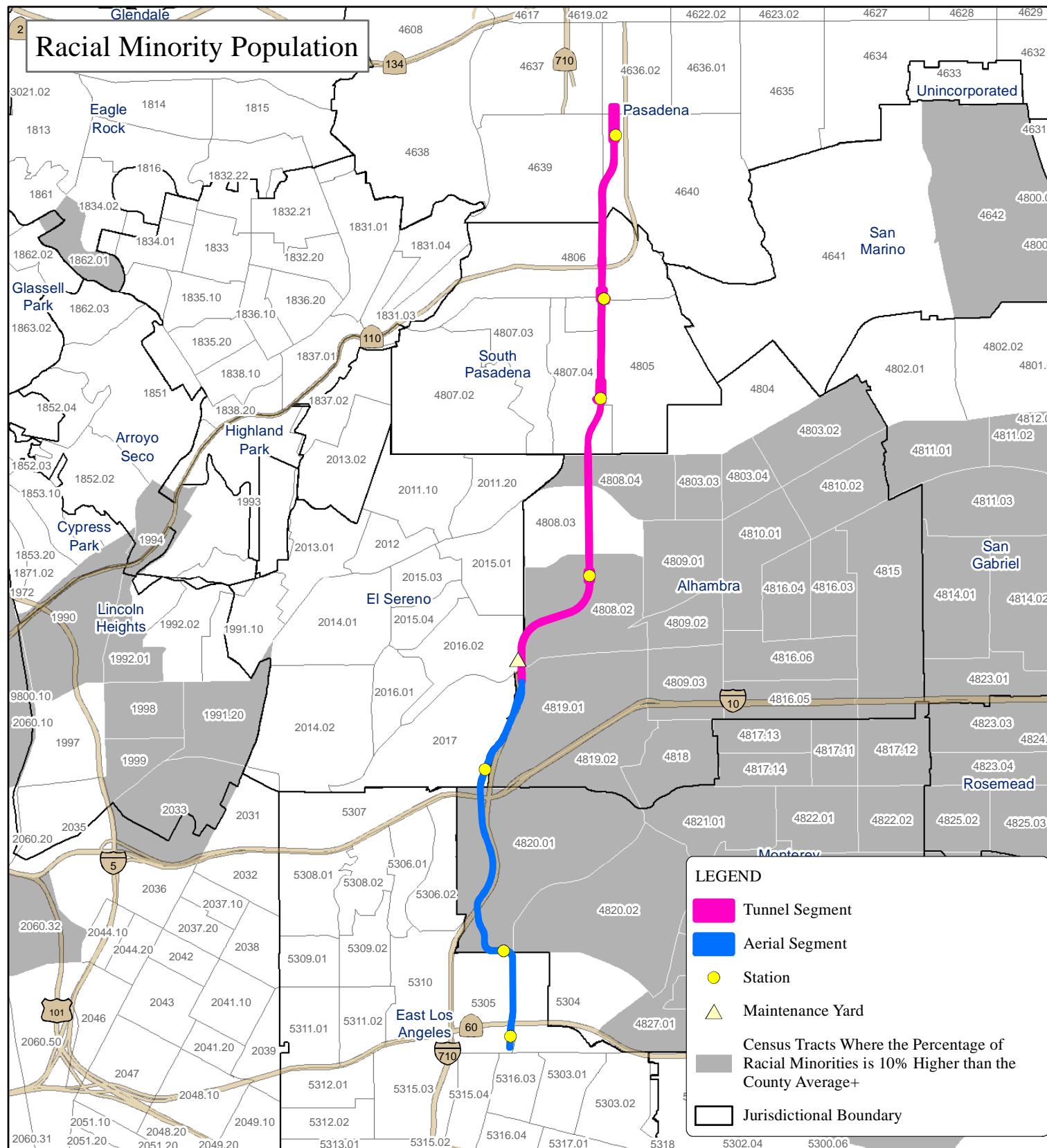


FIGURE 3.3-16

Sheet 1 of 2



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SOURCE: CH2M Hill (2013); U.S. Census (2010)

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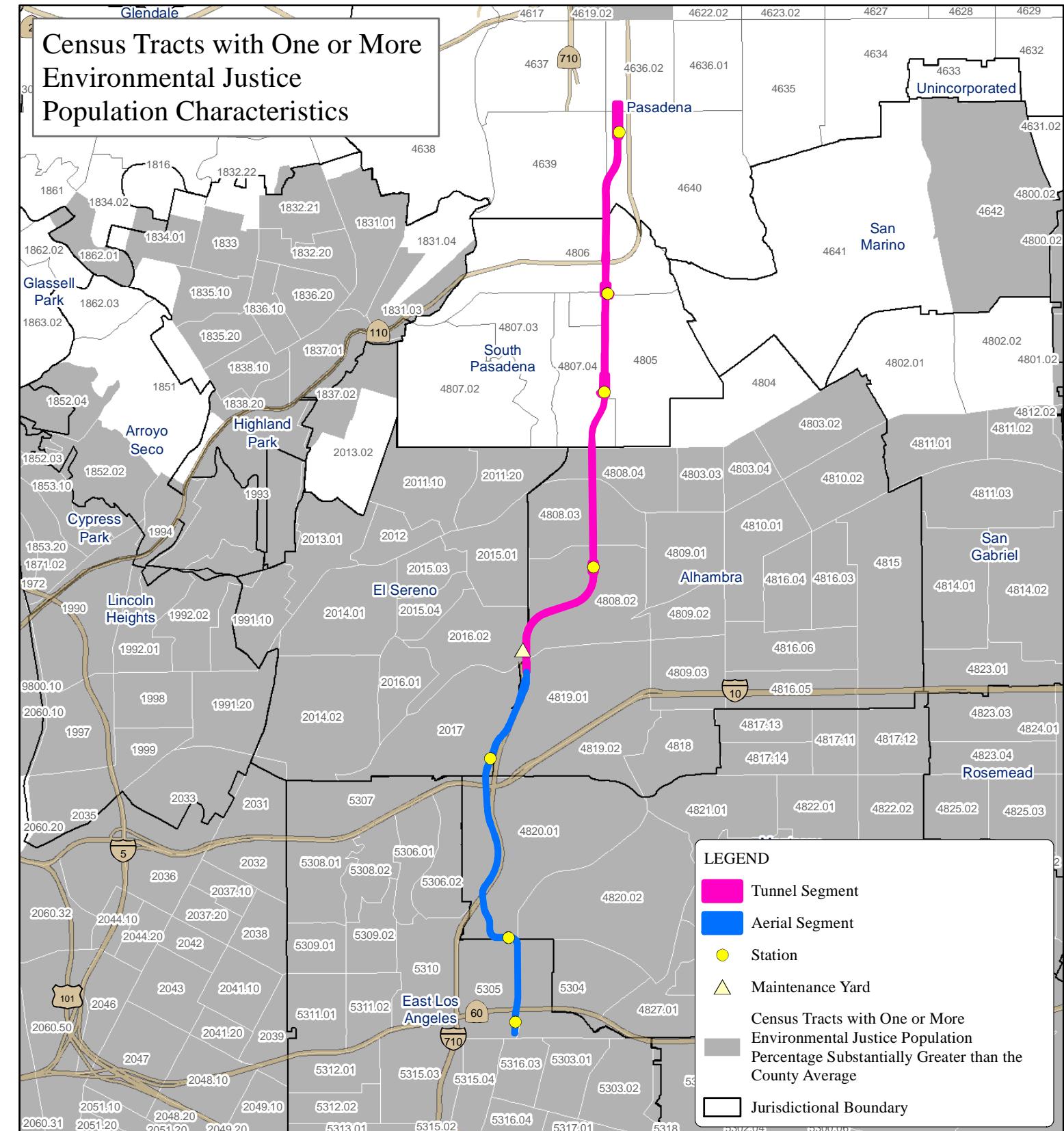
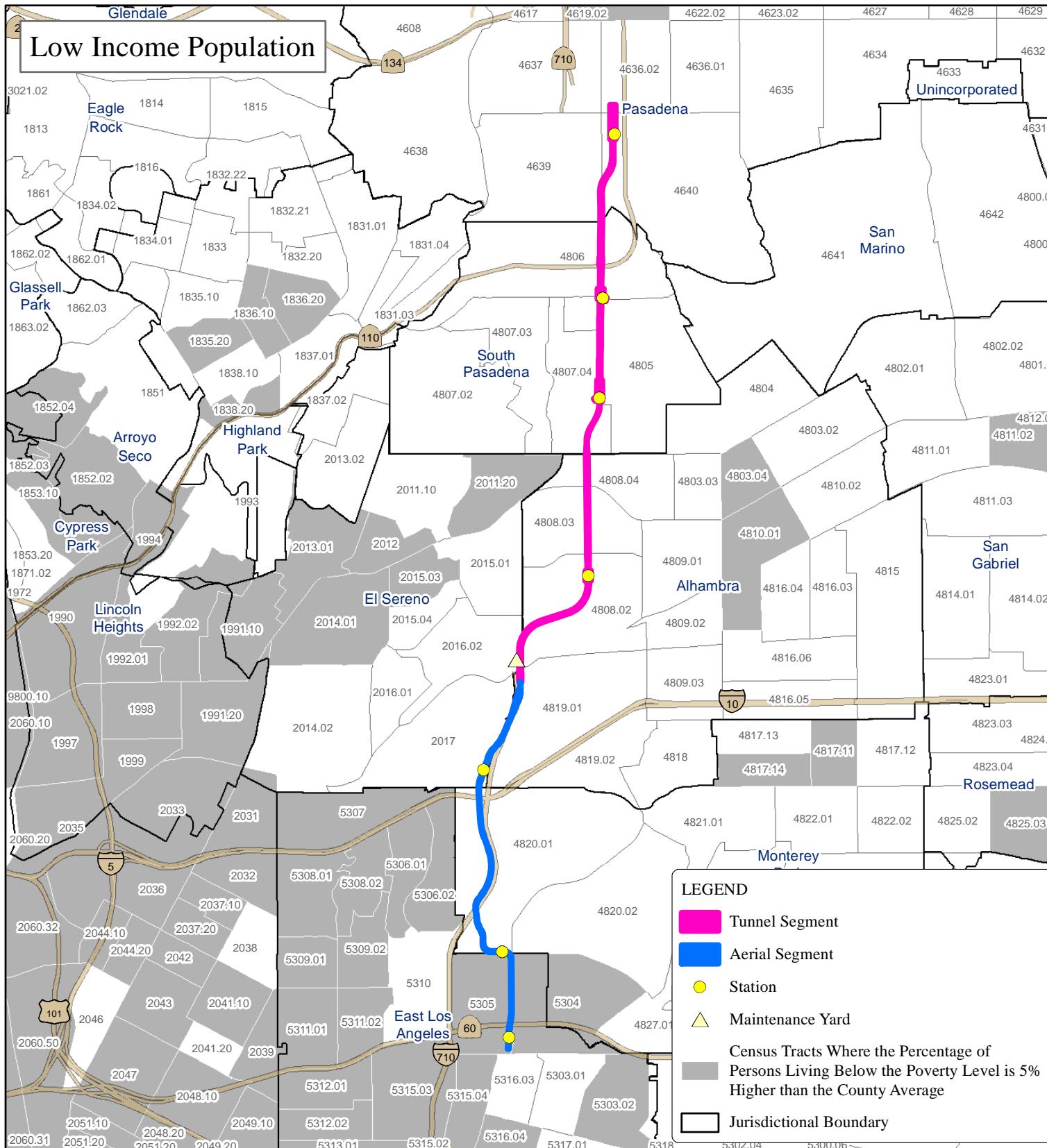
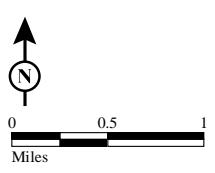


FIGURE 3.3-16

Sheet 2 of 2



SOURCE: CH2M Hill (2013); U.S. Census (2010); U.S. Census ACS 2007-2011, Tables DP03, B01001, B25046, and B26001

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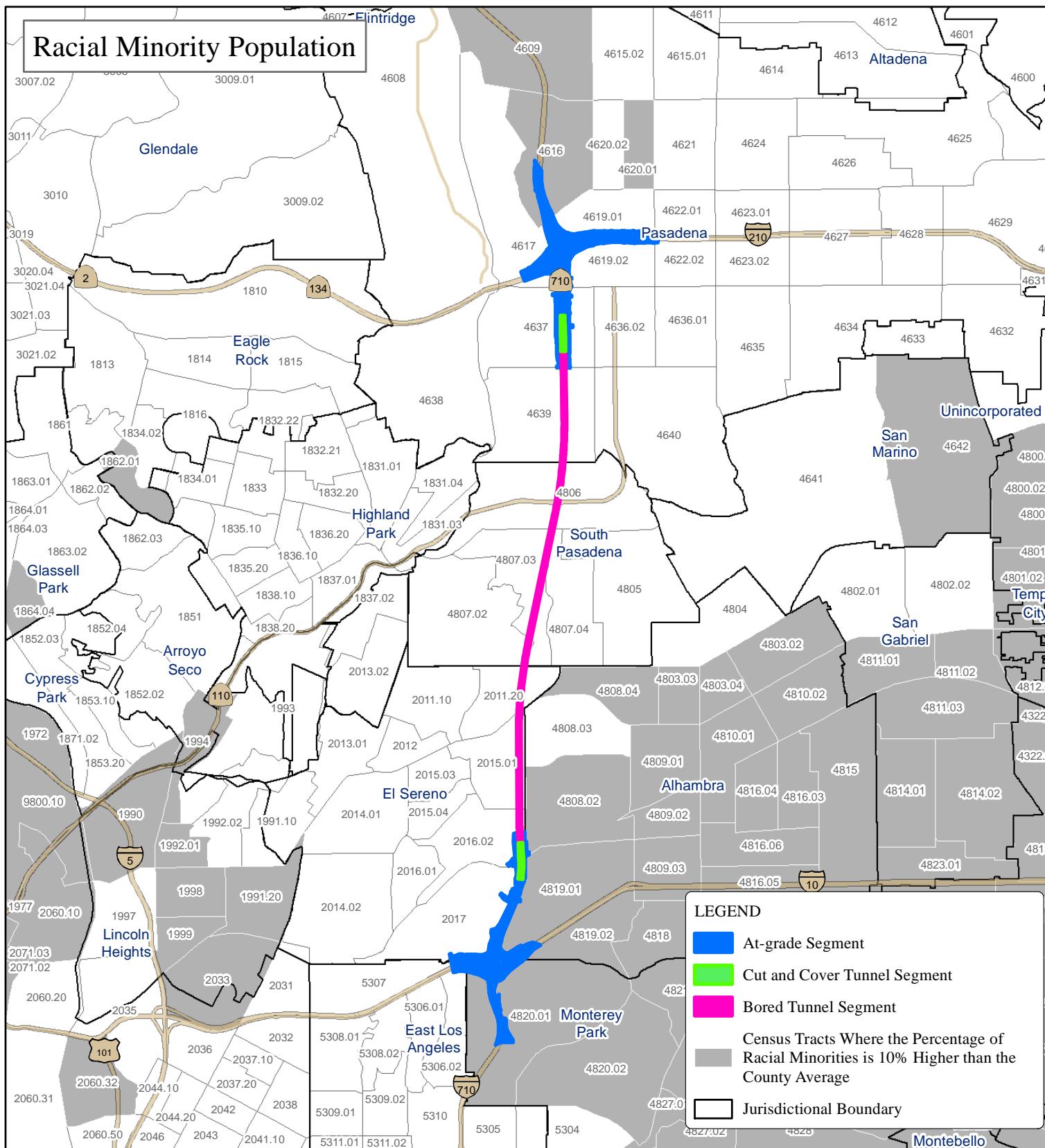
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LRT Alternative and Environmental Justice Populations

07-LA-710 (SR 710)

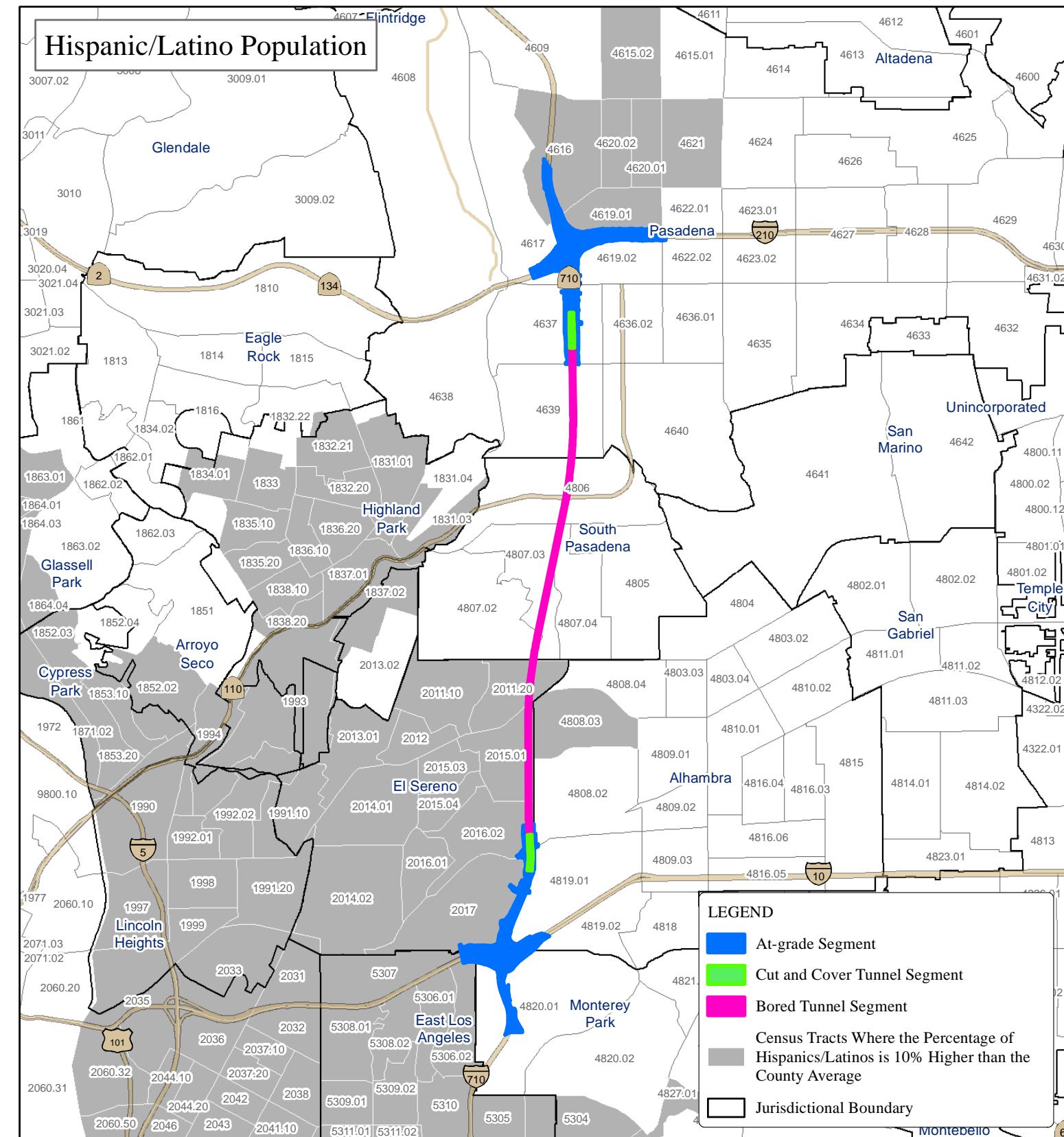
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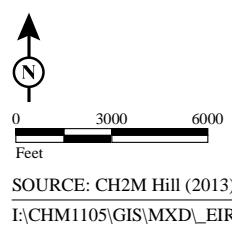
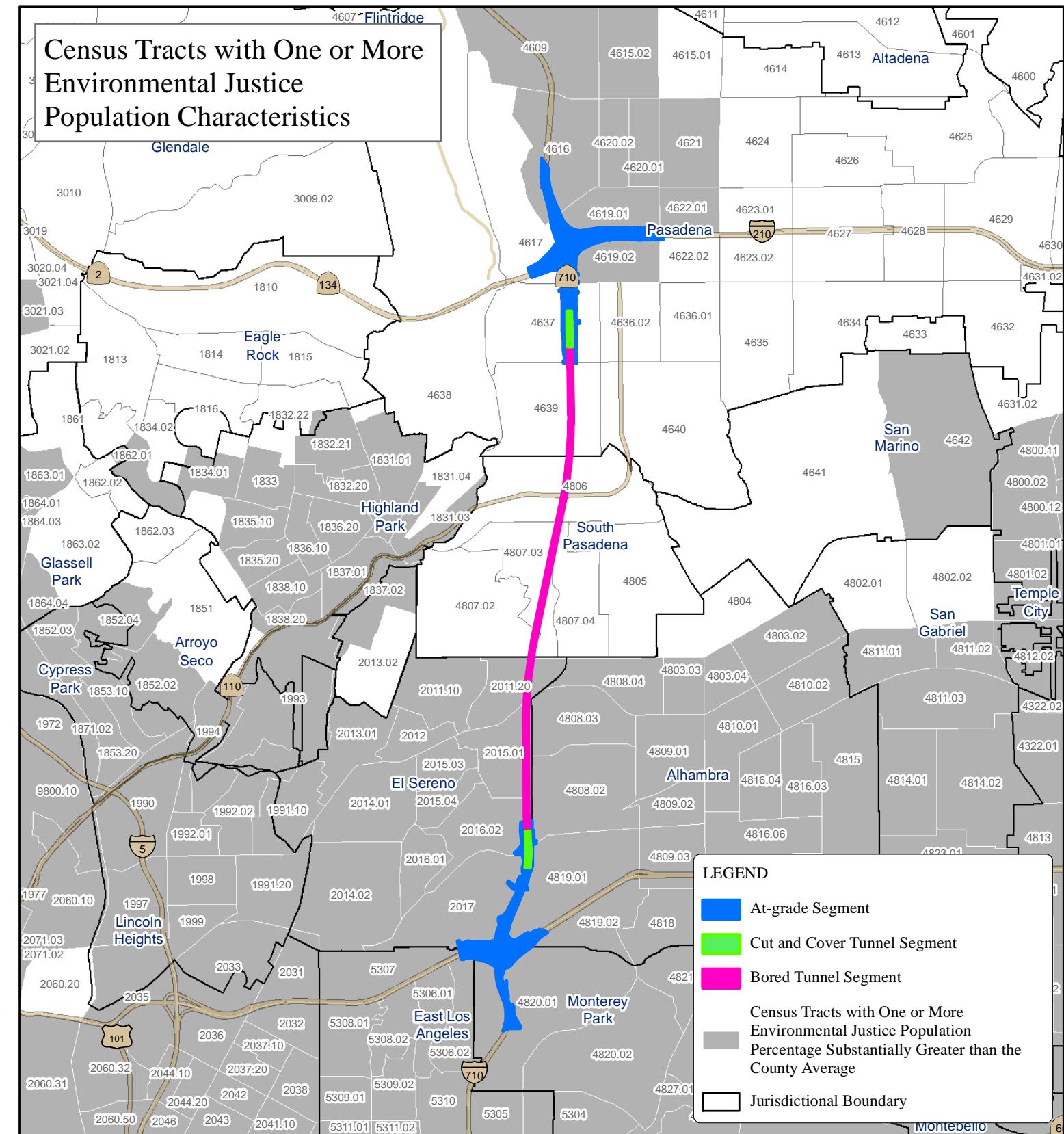
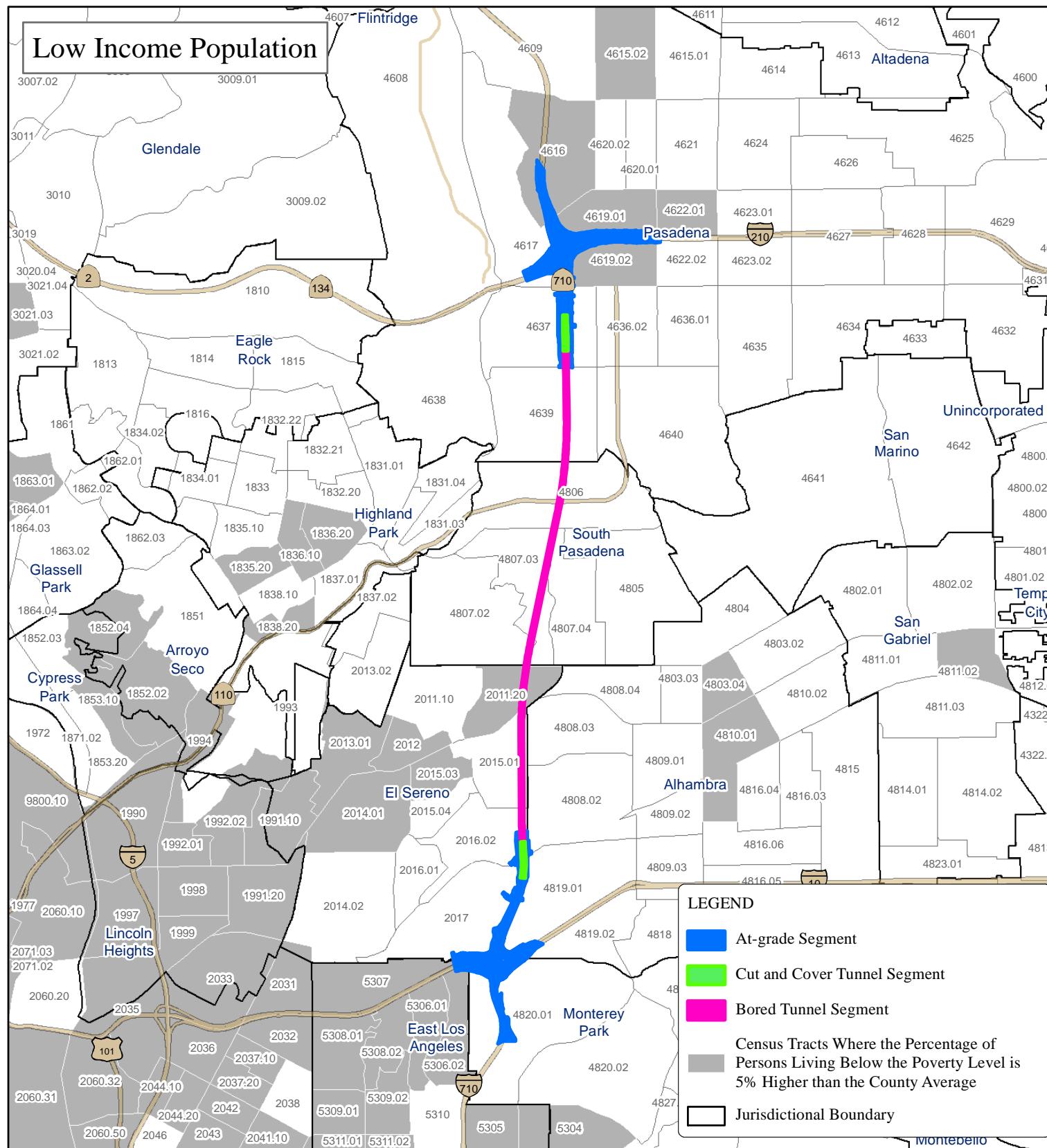
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Freeway Tunnel - Dual Bore Alternative and Environmental Justice Populations

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EA 187900  
EFIS 0700000191

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SOURCE: CH2M Hill (2013); U.S. Census (2010); U.S. Census ACS 2007-2011, Tables DP03, B01001, B25046, and B26001  
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**Freeway Tunnel - Dual Bore Alternative and Environmental Justice Populations**

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